



"Ah! God has given some men brains,
and others have x x x a certain skill
in the lower brats."
(Blackmore in *Lorna Doone*.)

Edgar A. McCarus

Mt. Clark, Texas.

June 14, 1898.

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The word Biota = Fauna and Flora.

It was proposed by Dr. L. Stejneger in a review of Delaroff's Origin of the European Fauna, in American Naturalist for February, 1901 (Vol. XXX, No. 410, p. 89, Febr., 1901).

Biota = singular.

Biotae = plural.

Biotic = adjective

1

1
Biota.

June 15, 1898. — Arr. at Saro ^{at 2 a.m.} after taking train from Manila, where I found no night train to Saro. — 5 hours at last! On train to Saro, 2nd class, book & newspaper included. If, on route, a campsite is reached, the passenger may get off & remain until morning, staying in a hut with a thatched roof. They become less comfortable as one goes along, but the first is the best. — £4.2 a day £7 a week. — After 10 miles, the road becomes rocky, afterwards entering first limestone, then sandstone, then limestone again, and finally a soft, black, shale. — The road is narrow, commanding a view of the Sulu Sea, the Z. M. Dept. of Saro, and the village of Saro. — Took the 9.30 A.M. train to New Orleans June 16, 1898. — Slept till 10 A.M. when it awoke. — We had crossed the confined of Saro, and were in a valley of sandstone, with frequent swamps and timber drifts. The coffee (first seen in the Jubainal, in Texas) was of elegant convaria. Oak, Gum, Palmetto, and numerous forest trees were abundant. The passion flower, trumpet flower, and water hyacinth were conspicuous flowers.

June 24 - July 3, 1898. - In camp at Chickamauga Park, Georgia.

The following-named mammals were seen:
Bats - Red and Big Brown, and a small species.
Sciuropterus volans. They live on the old
farmhouse where we had our brigade headquarters.
Oreamnos carolinensis was abundant.

December 28, 1898. Assigned to duty in command of Reserve Hospital Corps and School of Instruction, Second Army Corps at Camp Mackenzie, Augusta, Georgia.

The afternoon was spent across the Savannah River, in Aiken County, South Carolina, tramping over a sandy country bordered by cotton fields, hilly woods, and occasional swamps grown up with sweet gum and other deciduous trees, mixed with magnolias, and with canebrakes beneath.

Mammals: Lepus sylvaticus. Common. Treponomys color. - A man was skinning a small dark Raccoon, that came into his camp on the bank of the Savannah River and gnawed at bones until shot. He sells skins at 15¢ a piece, and says they are very common.

Didelphis virginiana. - Tracks seen.
I saw no signs of squirrels.

Birds. — Merula migratoria. — Common.
Sang in a magnolia swamp.

Harpor, lugubris ~~infuscata~~. - Two; one in a thicket between a wagon road and cottonfield, the other in a canebrake.

Troglodytes bermudensis. - Two; one in a
scrubland and one on high ground.

Thryothorus bernieki. - One in brush heap
in a thicket of scrub-oak.

- Regulus satrapa*. - Abundant on N. prairies,
swamps, and in deciduous woods; in flocks.
- Spirocella pusilla*. - Common in flocks, especially
about brush heaps in long grass.
- Spirocella*. - Species not identified
- Piceaea aestivalis*. - In oak woods.
- Pooecetes grammurus*. - Abundant in
fields and open prairies woods.
- Melospiza fasciata*. - Abundant on
high and low grounds.
- Cardinalis cardinalis*. - Common in
the fields and edges of corn bottoms.
- Passer domesticus*. - About houses.
- Coccoceus alpestris pratensis?*. - Common
- Cyanocitta cristata*. - One heard.
- Tanicus ludovicianus*. - Common.
- Tayornis phoenopeplus*. - One near a house.
- Turnella magna*. - Fields beside River.
- Strepera sparverius*. - One seen.
- Cathartes aura*. - Common.
- Zenaidura macroura*. - Large flocks
in cotton fields.
- Coccineus virginianus*. - Flock.
- Coturnix auratus*. - Several in magnolia
swamps.
- Accipiter cooperii*. - Abundant
- Zenaidura macroura*. - Common; singing.
- Zonotrichia albicollis*. - Abundant.
- Ampelis cedrorum*. - Flock
- Parus carolinensis*. - Flocks.

- Dec. 27-31, 1898. - Camp Mackenzie,⁷
Augusta, Georgia.
- Mammals:**
- Didelphis virginiana*. - A young one,
half grown, with upper surface of body
superficially black, was brought to
camp by a boy, who wanted to sell
it to the cattle beast for a pet. It was gentle,
and would curl its tail about a
finger and hang there without other support.
Opossum tracks are common here about.
- Procyon lotor*. - Common along the River.
- Lepus sylvaticus*. - Abundant away
from town; some in our camp.
- Birds:**
- Harporhynchus rufus*. - A few in thickets
- Hirundo berlepschi*. - A few in
thickets and oak barrens.
- Regulus satrapa*. - Abundant.
- Icteria virens*. - Common.
- Tanicus ludovicianus*. - Several.
- Merula migratoria*. - Occasional flock.
- Cardinalis cardinalis*. - Common.
- Passer domesticus*. - About houses.
- Amphispiza hyperborea*. - Abundant.
- Spirocella pusilla*. - Abundant.
- Zonotrichia albicollis*. - Common.
- Melospiza fasciata*. - Common.
- Pooecetes grammurus*. - Abundant.
- Coccoceus alpestris pratensis*. - Abundant.
- Cyanocitta cristata*. - Several.

Dayornis phoebe. Two in a wood or
Abrusella magna. Flocks in fields.
Pelapte auratus. A few seen and heard.
Zenaidura macroura. Flocks; common.
Colinus virginianus. One flock.
Talocor sparverius. Several.
Cathartes aura. Common.

Augusta, Ga., Jan. 1, 1899.

Hunted from the road. Birds seen:

1. *Melanerpes erythrocephalus.* - Common, in oak woods.
2. *Melanerpes carolinus.* - Several in pines.
3. *Pelapte auratus.* - A few.
4. *Zenaidura carolina.* - A few.
5. *Colinus virginianus.* - One flock.
6. *Campylorhynchus.* Flock.
7. *Lanius ludovicianus.* Rather common.
8. Two were fighting desperately in a thicket.
9. *Parus carolinensis.* Common.
10. *Thryothorus ludovicianus.* One.
11. *Amorthura hyperythra.* One at dam beside lake.
12. *Thryothorus ludovicianus.* Common.
13. *Certhia familiaris.* One in pines.
14. *Pezopetes satrapa.* Very common.
15. *Dayornis phoebe.* Several.
16. *Cathartes aura.* - Several seen; common.
17. *Ecyanocitta cristata.* - a few.
18. *Sturnella magna.* - Common.
19. *Phileobela minor.* - One seen among the

- cane beside a little stream. flushed twice, and probably shot, but could not be found.
20. *Falco sparverius.* - The only Hawk seen.
 21. *Artus pensylvanicus.* Many about camp.
 22. *Buteo alpestris praticola.* - Flocks about camp.
 23. *Melospiza fasciata.* - Common.
 24. *Spizella*. - Flocks; abundant.
 25. *Pooecetes grammurus.* - Abundant.
 26. *Zonotrichia albicollis.* - Abundant, especially in magnolia and cane swamps.
 27. *Junco hyemalis.* Abundant.
 28. *Tarsiger domesticus.* Houses and streets.
 29. *Cardinalis cardinalis.* - Common.
 30. *Pipilo erythrrophthalmus.* - Common.
 31. *Harporhynchus rufi.* - One pair in swamp.
 32. *Sialia sialis.* - Several seen and heard.
 33. *Merula migratoria.* - Common.

A small warbler was also seen in the pine woods.

34. *Hylocichla ustulata pallasi.* - Common.

Augusta, Ga. January 5, 1899.

Rode, five hours looking about the country. Saw most of the birds hitherto seen by me hereabouts, and the following besides:

- Iphygraphe varnis.* - An old male, with bright red throat and crown attracted attention by a loud whining cry not unlike the catbirds. It was clinging to the

trunk of a dogwood-tree (*Cornus florida*). It flew out to the extremity of a branch and picked a red berry and returned to the tree trunk, soon repeating the operation but clinging to the terminal twigs a moment until it secured the berry. A dozen berries were thus eaten while I watched from a distance no greater than 20 ft.

Ammodramus savanna. - A number seen.

Dendroica coronata. In pine forest.

Corvus americanus. - Many seen in fields.

One Mockingbird was hiding under a hedge by the roadside.

A woodcock was flushed from a creek.

A boy told me he saw a Pileated Woodpecker a few moments before I met him. Several men said they were not aware

Rail were calling in several fields, and one in a dark pine forest beside a lake.

Beside the lake I saw runways of some rodent - perhaps Spermophilus, and picked up a skull of Lepus sylvaticus. Several of the latter were seen in the hands of hunters.

A boy told me that Gray, Black, and Rat Squirrels are found in the woods.

Woodcock are said to be common now.

Dendroica pinus. - Common in flocks; in pines and on the ground.

Augusta, Ga. January 8, 1899.

Hunted four hours.

Lepus sylvaticus. - One seen.

Cervus virginianus. - One flock

Scalops. - Moles' signs common.

Dryobates villosus. - One or two seen.

Iphyraeius varius. - One shot, but lodged hollow stub at side of tree; no nest.

Passerella iliaca. - One seen.

Falco sparverius. - One seen.

Otus wilsonianus? - One short-eared Owl shot by a hunter, who took it to Augusta. He said he had seen 50 of them at one time, in a field.

Sayornis phoebe - Common.

Wading birds &c.

Augusta, Ga. January 15, 1899.

Rode four hours. Saw three birds never collected or seen:

Thryothorus ludovicianus. - Several seen; it utters a cat-like note.

Sitta pusilla. - Several seen in a flock of Dendroica pinus and other birds, in a grove of pine-trees.

Dryotales scalaris. - One pair.

Many other birds were seen. Flickers, Crows, Bluebirds, Crested Titmice, Carolina Chickadees, Brown Creepers, and Golden-crowned Kinglets were abundant. One Downy Woodpecker seen.

Augusta, Ga. January 22, 1899.

Rode four hours. Field Sparrows, Fox Sparrows, Song Sparrows, White-throated Sparrows and Chewinkles were very abundant.

Juncos were very numerous.

Dryobates villosus. - About ten seen.

Dryobates pubescens. - One seen.

Dialia sialis. - A large number seen.

Dendrocœa virginis. - Large flock feeding on the ground, and many in the pine-trees.
Set 25 traps for small mammals.

Lasiurus borealis. - One was circling about over a brook, and appeared to be feeding. This is the first Bat seen here.

Scalops aquaticus Lin. - Found numerous.

Didelphis virginiana ^{Kerr}. Common. One was found curled up in the top of a sapling. It was shaken down and caught when it pretended to be dead. It was given to the cook for a pet.

"Special Orders, No. 265, Headquarters of the Army, Adjutant General's Office, Washington,

November 10, 1900. Extract 17. By direction of the Acting Secretary of War, leave of absence for six months on surgeon's certificate of disability is granted Captain Edgar A. Mearns, assistant surgeon, U. S. Army. By command of Lieutenant General Miles: H. C. Lorbin, Adjutant General."

My leave began Nov. 16, 1900.

Two copies of order should accompany my first pay accounts.

High Altitudes

Mexican Boundary Region.

meters.

feet.

Hachita Peak	2545	8350
San Louis Mountains	2400	7874
San José Mountain	2541	8337
Huachuca Mountains	2887	9472
Patagonia Mountains	2217	7274
Town of Santa Cruz, Sonora.	1355	4446

U. S. Army Regulations, Par. 997, pt. 139, 1895.

"997. An officer on sick leave is entitled to public quarters at his station during the period of sick leave, not exceeding six months, provided he or his family occupy them. He may hold hired quarters only while he is personally an occupant."

Major Willis Wittich ordered to report to C. O., Ft. Adams, R. I. per par. 20, S. O. #195, Headq. of Army, A. G. O., dated Aug. 20, 1900.

14 (Bird record, continued from page 130, this volume.)

Brenton's Point, R. I. Sept. 17, 1900.

11940. Arenaria interpres ♀ ad. 243; 486; 151; 69;
cul., 23; tarsus, 28; mte., 25.5 mm.
11941. Eremites pusillus ♂ ad. 161; 309; 98; 46; culmen,
19; tarsus, 21; middle toe and claw, 19 mm. Breast buffy.
11942. Eremites pusillus - ad. 162; 310; 99; 46; cul., 19;
tarsus, 22; middle toe with claw, 19 mm. In formalin.
11943. Eremites pusillus - ad. Preserved in formalin.
11944. Calidris arenaria ♀ ad. 210; 408; 129; 61;
culmen, 28.3; tarsus, 26.5; middle toe with claw, 19 mm.
11945. Calidris arenaria ♀ ad. 209; 410; 130; 57;
culmen, 25; tarsus, 26; middle toe with claw, 18.5 mm.
11946. Calidris arenaria ♂ ad. 209; 393; 125; 61;
culmen, 25.4; tarsus, 27.5; middle toe with claw, 19 mm.

Fort Adams, Newport, R. I. Sept. 25, 1900.

Arenaria interpres. - Nine were seen in two flocks,
at Brenton's Point.

Actitis macularia. - Two or three were seen
near Bleak House. They were moving about
in such a way that I could not be certain of the number.

Gallinago delicata. - One was flushed from
a heap of seaweed on bare rocks at the
edge of the sea - an unusual place for it.

Sterna hirundo. - About 15 were seen.

Yesterday there were several hundred.

Larus argentatus. - About 200 seen, mostly old.

Oidemia perspicillata. - Flock of six.

Harpophyphorus rufus. - About ten seen.

Galeoscoptes carolinensis. - About 20 seen.
One uttered a loud clicking sound.

- Regulus satrapa. - Two, the first this fall, ^{seen} ₁₅.
Titta canadensis. - One, the first this fall.
Parus atricapillus. - Two on Moorland Road.
Dendroica coronata. - About 10 in willows.
Dendroica striata. - About 20 in willow lane.
Dendroica palmarum hyperythrea. - Five seen.
? This little warbler with
a green back, yellowish-white underparts with
faint streaks on breast and a very conspicuous
white ring around eye, was seen among some
rosebushes and tall goldenrods beside a ditch.
Anthus pensylvanicus. - Two on rocky edge
of Narragansett Bay, feeding on insects and
small moths or butterflies which it caught ^{mentally} _{from} on the
ground sometimes jumping up for them.
Corvus americanus. - Heard; flying over hospital.
Murula migratoria. - Abundant. Some
were dusting and pluming themselves and
sat on their tails (bent under them) when doing so.
Melospiza fasciata. - About 25 seen; in flocks.
Spizella socialis. - Several small flocks in fort garden.
Oenanthodramus sandwichensis savanna. - In
fort garden. About 10 seen.
Passer domesticus. - On rocks beside ocean.
Agapetes auratus luteus. - Several seen.
Vireo gilvus. - Two in alders.
Ampelis cedrorum. - Several small
flocks aggregating about 30.
- Fort Adams, R. I. Sept. 26, 1900.
- Sterna hirundo. - One seen.
Larus argentatus. - Five seen.

16 (Fort Adams - Sept. 26, 1900 - Concluded.)

- Merula migratoria. - About 100 in Willow Lane.
Parus atricapillus. - Two in Willow Lane.
Dendroica striata. - About 20 in Willow Lane.
Its note is a sharp chip.
Dendroica coronata. - One with Black-polls.
Dendroica palmarum hypoleuca. - One.
Sphyrapicus varius. - One in Willow Lane.
Tayornis phoebe. - do
Melospiza fasciata. - Several seen.
Ammodramus s. savanna. - Several.
Passer domesticus. - Abundant.
Galeoscoptes carolinensis. - About 10 in grape thicket.
Harporhynchus niger. - About 6 in a grape thicket.
Ampelis cedrorum. - One flock of about 30.

Fort Adams, R. I., Sept. 27, 1900.

Larus argentatus. - Ten seen

Fort Adams, R. I., Sept. 29, 1900.

Sterna hirundo. - Several scattered & flock of 15.

Middleton, R. I. Sept. 30, 1900.

Mr. Philip Peckham, Jr., saw one Bubo virginianus.

Fort Adams, Newport, R. I. Oct. 3, 1900.

Circus hudsonius. - One.

Pandion haliaetus carolinensis. - One reddish legs and
Arenaria interpres. - Six on Brenton's Point. One had a black neck and retained some reddish feathers on upper surface; another less black on throat; and the remaining

four light or grayish on throat & neck. Possibly 17
These were 2 adults & 4 young or a family?
Actitis macularia. - One, where last seen.

Cirrle alcyon. - One.

Larus argentatus. - About 300, mostly adults.

Merula migratoria. - Perhaps 100.

Colaptes auratus lutens. - One.

Sturnella magna. - Six; singing.

Ammodramus s. savanna. - About 200.

Melospiza georgiana. - One.

Melospiza fasciata. - Perhaps 50.

Corvus americanus. - About 10.

Terps seem to have departed; no warblers seen to-day.
Capt Gustave Soderman saw 20 Terps Sept. 30 and
the last two Oct. 2; none after. I saw 1 Sept. 30.

Fort Adams, R. I. Oct. 5, 1900.

Corvus americanus. - Ten.

Larus argentatus smithsonianus. - About 30; one shot.

Parus atricapillus. - About 10 seen.

Junco hyemalis. - One seen and perhaps others heard.

First seen this fall. The one seen was young.

Ampelis cedrorum. - Three young of the year.

Hylocichla usticollis. - Two seen.

Vireo olivaceus. - Two.

Dendroica coronata. - About 200.

Merula migratoria. - About 150.

Sturnella magna. - Twenty; singing.

Melospiza fasciata. - Twenty; singing.

Ammodramus s. savanna. - Ten seen.

Colaptes auratus lutens. - Four seen.

Galeoscoptes carolinensis. - Two.

11947. Larus argentatus smithsonianus. ♀ juv.

(October 5, 1900 - Concluded.)

600; 1475; 440; 186; culmen from base (chord), 52; tarsus, 65; middle toe with claw, 65 mm. Iris, gray-brown. Bill, blue-black, horn color at base of mandible. Legs and feet, flesh color, faintly dusky on webs and brownish at joints; claws, plumbeous-black.

Fort Adams, Newport, R. I. Oct. 11, 1900.

11,948. Merula migratoria. Preserved in formalin. Killed by hawk.

11,949. Melospiza georgiana ♀ ad. Preserved in formalin.

11,950. Dendroica townata ♂ ad. 143; 228; 74; 53; cul., 10.7; tarsus, 19; middle toe and claw, 15 mm.

11,951. Melospiza georgiana ♀ ad. 149; 207; 64; 60; 12; 21; 20 mm.

11,952. Melospiza fasciata ♂ ad. 165; 225; 70; 71; 21; 20.4 mm. Preserved in formalin.

11,953. Zonotrichia albicollis - ad. Preserved in formalin 177; 246; 76; 79; 13; 24.5; 22 mm.

Fort Adams, Newport Rhode Island, Nov. 15, 1900.

Sterna (paradisaea ?). - Two terns, the size of the arctic were flying about Brenton's ledge.

Lake Cottage, on Lake Worden,
South Kingston, R. I. Nov. 23, 1900.

11,954. Lanius borealis ♀ juv. Stomach filled with beetles 253; 352; 113; 115; cul. 19; 27; 22 mm.

11,955. Sialia sialis ♀ ad. 173; 292; 97; 63;

culmen from true base, 12; tars., 19; m.t.c. 20.5 mm.
11,956. Oreizilla monticola ♂ ad. 163; 245; 80; 73;
10.5; 21.3; 20 mm.

11,957. Dendroica coronata ♂ ad. 145; 232;
75; 60; 10; 18; 16 mm.

South Kingston, R. I. Nov. 25, 1900.

11,958. Cyanocitta cristata ♂ ad. Trapped in "Climax" Trap. 295; 420; 136; 138; 27; 35; 31 mm.

11,959. South Kingston R. I. Nov. 27, 1900.

11,960. Oreizilla monticola ♀ ad. 154; 240; 76; 73; cul., 10.7; tarsus, 20; middle toe with claw, 19 mm.

11,960. Dryobates pubescens medius. ♂ ad. 174; 310; 98; 64; 16.7; tars., 16; m.t.c. 16 mm.

South Kingston, R. I. Nov. 28, 1900.

11,961. Lanius borealis ♂ juv. 265; 363; 117;
118; 20; 26; 24 mm. Stomach packed with insects.

11,962. Sialia sialis. ♂ ad. 176; 308; 101; 70;
12.3; 20; 22.

11,963. Sialia sialis. ♂ ad. 178; 311; 103; 71;
13; 20.5; 22.5

11,964. Sialia sialis ♀ ad. 171; 300; 100; 64;
12; 19; 21 mm.

11,965. Colinus virginianus. ♀ ad.

277; 404; 121; 7.9; 14.7; 36; 44 mm.

11,966. Cyanocitta cristata ♂ ad. 310; 443;
140; 150; 29; 37; 30. Mounted for
John Knowles

Lake Worden, R. I. Dec. 1, 1900.

11,967. Granta canadensis ♂ ad.

655; 1760; 500; 200; cul. (chord), 58;

96; 98. Iris dark hazel. Legs & feet, olive;
= ceous black; webs plumbeous-black.
Bill black. Weight $9\frac{1}{4}$ lbs. Avocetopsis.

11968. Colinus virginianus. ♂ ad. 250; 387;
115; 13.8; 35; 37; tail, 71 mm.
11969. Turco syemalis. ♂ ad. 162; 247; 81;
72; 11; 20.5; 19.5.
11970. Phelospiza fasciata. ♂ ad. 163; 220; 70;
70; 120; 22.5; 20.

Lake Worden, R. I. Dec. 13, 1900.

11971. Astragalinus tristis. ♀ ad.
132; 228; 73; 53; 10.3; 13.7; 16.

11972. Astragalinus tristis. ♂ ad.
129; 230; 76; 54; 10.2; 13.2; 15.

11973. Astragalinus tristis. ♀ ad.
130; 202; 72; 53.10; 14; 16.

Lake Worden, R. I., Dec. 14, 1900.

11974. Passer domesticus. ♂ ad.
167; 266; 82; 65; 13.5; 19.5; 20.

11975. Passer domesticus. ♂ ad.
164; 252; 80; 63; 13; 19; 20.

11976. Cyanocitta cristata ♀ ad.
192; 423; 132; 133; 30; 35; 29.

Lake Worden, R. I. Dec. 19, 1900.

11977. Merula migratoria. ♂ ad.
258; 428; 144; 119; 20.5; 34; 30 mm

11978. Megascops asio ♂ ad. Gray phase.

246; 610; 180; 90; cul. + cere (chord), 22; cul., 15.5; tarsus, 36; met. t. c. 31.

Killed tame pigeon in cage, where it was trapped. Stomach contained pigeon.

11979. Dog Owl. Asio accipitrinus ♂ ad. 395; 1040; 330
160; c. & c. 28; c. 17; 44; 41. Iris yellow. Stomach empty.

Lake Worden, R. I. Dec. 20, 1900. 21

11980. Cyanocitta cristata. ♀ ad. 292; 426;
136; 137; 25; 35; 30.

- Lake Worden, R. I. Dec. 21, 1900. Stomach empty.
11981. Hymenorus megalosoma. ♂ ad. 20.5; 20.5; 20.
brown, appearing black. Bill and cere greenish yellow, the latter slightly
more greenish than the bill. Legs greenish yellow; claws
rusty blumbrous, horn-coloration 510; 1125; 350; 235; c+c38; c24; 53; 56.

11982. Bonasa umbellus ♂ ad. Dec. 20, 1900.

460; 620; 195; 173; 17; 45; 57. Iris hazel,
residual blue & red plumbeous; claws brown tipped horn color,
bill dusky olivaceous brown, horn color on mandible except com-

11983. Colinus virginianus. ♂ ad. Dec. 21.
265; 387; 119; 71; 13; 33; 36.

11984. Colinus virginianus. ♀ ad. Dec. 21.
260; 382; 115; 74; 13; 34; 36.

11985. Hulica americana ♀ ad. Taken with
10 others (killed at 28 shots) in an air-hole
in the Porch Cove (= Potters Pond), Sal &
Pond, R. I., December 20, 1900.

375; 655; 190; 68; 41; 54; 80; head of
tibia to end of claws, 220; Preserved in formalin.

11986. Hulica americana. ♂ ad. 402; 710; 203;
70; 47; 58; 87; head of tibia to end of claws, 238.

11987. Hulica americana ♀ ad. 372; 658; 190;
67; 41; 57; 80; head of tibia to end of claws, 228.
Preserved in formalin.

Note. — The town of South Kingstown has
for many years paid a bounty of
25 cents on Hawks. I saw but one
from Nov. 21 to Dec. 24, on Lake Worden.

Syrnium rubroloratum. — Mr. J. William
Critchley of Providence told me he had mounted
25 to 30 Barred Owls during the fall of 1900;
majority probably killed in R. I.

22 Fort Adams, Newport, R. I.

December 30, 1900.

Walked out to Davis's house on Brenton's Point. Saw many Herring Gulls, mostly immature; a flock of 10 Black Scotters; 3 White-winged Scotters; one Rough-legged Hawk; flock of 7 Meadowlarks; one Common Cormorant; and a large flock of English Sparrows, feeding on the beach; also a few Tree Sparrows on the Palo ground.

11988. Larus argentatus smithsonianus.

Immature. Preserved in formalin.

Metal tag No. 370.⁽³⁷⁰⁾ Found on the beach.

January 1, 1901.

11989. Merganser serrator. ♀ ad. Preserved in formalin. Killed at the upplines, off Conanicut Island, R. I., by Lieut. Assistant Surgeon George S. Ramsay, U. S. Army. Iris hazel next to the pupil, shading to cherry red externally, giving the appearance of a double-ring of color, hazel and cherry red. Bill, reddish brown above, ^{virginicus} ~~purple~~ red below, with processes at tips of maxilla and mandible, horn color. Feet, orange-refous; webs brownish red; claws, plumbeous tipped with iron-color. 485; 840; 233; 102; culmen, 56; tarsus, 48; middle toe with claw, 6⁷ mm.

Metal tag No. 4568. In formalin.

Prudence Island, R. I. Aug. 30, 1901. 23

12600. Somateria spectabilis ♀ ad. Identification verified by Robert Ridgway. Skull picked up on Prudence Island, Narragansett Bay, Rhode Island, by L. D. M.
12601. Trochilus trochilus ♂ juv.
12602. Tyrannus tyrannus ♀ juv.
12603. " " ♂ ad.
200; 365; 114; 89; 18; 17.5; 20 mm.

Hanging Rock, Middletown, R. I. Dec. 28, 1901.

Louis and I spent the day in the Hanging Rock woods and on 2d & 3d Beaches, Middletown. Regulus satrapa. - One flock.

Philospiza melanodia. - A number seen.

Coturnix virginianus. - A flock of at least 20. When driven to a brushy point of cliff beside the marsh they uttered a soft call, repeated by so many birds at once that it sounded quite like a sweet but monotonous song, until all took to flight, following each other a few at a time, all going in the same direction.

Larus argentatus. - Common.

Haemada glacialis } Flocks on East River.

Edenina cylindrica }

Cathartes aura luteus. - About 10 seen.

Corvus americanus. - Large flocks flying northwest.

Passerculus species? - One.

Sturnella monticola Passer domesticus. - Flocks.

12604. Nyctidromus nycticorax naevius. - Skeleton found at Hanging Rock, Middletown, R. I.
- Spermophilus carolinensis leucotis. - I saw a fine one in the red juniper and hickory trees at Hanging Rock.

24 Fort Adams Newport, R. I. Jan 16, 1902.

12604 *Otocoris alpestris* ♂ ad. 198; 353; 117;
83; 12.2; 23.5; 21; cul. cl., 14.5.

Fort Adams, R. I. Jan. 28, 1902.

12605 *Sturnella magna* ♂ ad. 278; 433;
130; 92; 35.5; 42; 41 mm. Very fat.

Fort Adams, R. I.

12606. *Urinator lumme*. Two feet of one
found dead on Narragansett Bay at Ft. Adams.

Black-tail Deer Creek, Yellowstone National Park,
Wyoming. July 13 1902.

12607. *Dendragapus obscurus* juv.
Taken from a Hawk by Louis L. Jorga Mearns.

Note.—My Yellowstone collection of birds,
beginning with No. 12607 and ending with No.
12634, are entered in small leather-covered
notebook, together with the mammals (Nos.
5249 to 5440) collected there. All were labelled.

Fort Snelling, Hennepin Co., Minn. Dec. 25, 1902.

12635. *Nyctala leucomelana richardsoni* ♂ ad. Stomach
contained a *Blarina brevicauda*, torn in pieces,
but swallowed with skin and hair on.
253; 573; 173; 110; cul. + cere, 19; cul. 14;
tarsus, 23; middle toe with claw, 27. Iris yellow.

Fort Snelling, Minn. March 5, 1903.
Grows hair very quickly since their arrival
Oreanthus liniaria.—Flocks still here. Mostly females.

Fort Snelling, Minn.

March 7, 1903.

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12685. *Cyanocitta cristata* ♂ ad. 394; 432; 137;
137; 99; 35; 31 mm. Iris. cul. & brown. Bill,
feet & claws, black.

12636. *Cyanocitta cristata* ♀ ad. 294; 432; 138;
142; 26; 34; 30. *do*

The above, perhaps related, were killed at same shot.

Fort Snelling. March 12, 1903.

12637. *Otocoris alpestris* ♂ ad.

184; 336; 108; 78; cul., 12.2; nost., 9; 21; 19; cul. cl., 10

12638. *Spizella monticola* ♂ ad.

160; 240; 77; 71; 10.5; 21; 19.2.

12639. *Oreanthus liniaria*. ♂ ad. (long tail + large feet).
141; 225; 76; 61; 9; 15; 15 mm. *Hesperornis* ^{subes.}
taken from a Hawk by Louis L. Jorga Mearns.

12640. *Oreanthus liniaria* ♂ ad.

133; 221; 75; 57; 9; 13.5; 13.

12641. *Oreanthus liniaria* ♂ juv.

139; 223; 76; 63; 9; 15.5; 13.5.

12642. *Oreanthus liniaria* ♀ ad.

137; 220; 73; 58; 9; 15; 15.

12643. *Oreanthus liniaria* ♀ ad.

132; 210; 71; 56; 8.5; 14; 13.

12644. *Oreanthus liniaria* ♀ ad.

137; 218; 74; 60; 8.7; 15; 13

Fort Snelling, Minn. March 19, 1903.

12645. *Sayornis phoebe* ♂ ad. Very fat.

180; 292; 88; 80; cul., 14.5; nost., 10.5; 19; 15.

Iris brown; bill, feet & claws, brownish black; tongue
and inside of mouth, yellow.

26 (Fort Snelling, March 19, 1903 - Concluded)

12646. *Melospiza cinerea melanodia* ♂ ad. Very fat.
167; 228; 69; 74; 12; 22.3; 21.8 mm.
12647. *Spizella monticola* ♂ ad.
167; 243; 80; 76; 10; 21; 19.5.
12648. *Spizella monticola* ♂ ad.
161; 245; 78; 71; 10.2; 21; 19.5
12649. *Spizella monticola* ♂ ad.
161; 242; 78; 75; 10; 20.5; 20.
12650. *Spizella monticola* ♀ ad
155; 230; 73; 71; 10.7; 21; 19.
12651. *Spizella monticola* ♂ ad.
161; 245; 79; 76; 9.6; 21.7; 20. But probably
No. 12647, which is the darkest and most robust, with
the least white edges to wing and tail-feathers.
In all the iris is brown. Bill with maxilla dusky,
brownish plumbeous; mandible yellow with dusky tip;
tarsus brown; toes brownish black; claws black.
12652. *Junco hyemalis*, ♂ ad. 164; 259; 85; 73;
12; 21.5; 20.5 mm.

March 21, 1903. Fort Snelling, Minn.

12653. *Junco hyemalis* ♂ ad. 160; 250; 79; 72;
10.8; 22; 19.
12654. *Spizella monticola* ♂ ad. 158; 232; 74;
71; 10; 20.5; 18.5.
12655. *Passerella iliaca* ♂ ad. The first seen.
183; 283; 89; 83; 12.8; 24; 22. Iris brown.
Bill yellow in basal half of mandible, the rest olive.
But light purplish brown, almost flesh color anterior
The only one seen.

12656. *Dryobates villosus* ♀ ad. 257; 412; 130; 27.93
31; 22; 23. Some one shot and discarded it.
12657. *Oialia oralis*. ♂ ad. 179; 315; 103; 69; cul.,
13.2; nost. 9.8; 21; 20 mm. do
12658. *Ogilavis phoeniceus phoeniceus* ♂ ad.
237; 387; 126; 102; 2.2; height at base 13; 30; 27; claw, 8.
12659. *Ogilavis phoeniceus fortis*. ♂ ad.
250; 410; 130; 104; 19.7; height at
base, 15; 32; 34; cl., 8.

March 13, 1903. Mendota, Minn.

12660. *Dryobates villosus* ♂ ad. 264; 435;
136; 95; 33; 24; 24. Shot by George
Schneider who has the specimen.

- March 25, 1903. Ft. Snelling, Minn.
12661. *Accipiter velox* ♀ ad. Iris orange-vermilion.
Cere wax yellow; Bill black, plumbeous at
base. Feet wax yellow, lemon yellow
on under side of toes. Claws plumbeous blk.
352; 680; 213; 186; cul. + cere 17; cul. 12
57; 44. Stomach empty; had just caught a Tree Sparrow.
12662. *Ogilavis phoeniceus* ♂ ad.
245; 395; 130; 108; 24.2; depth, 12;
tarsus, 30; mid. toe + claw, 21 (without claw).
12663. *Ogilavis phoeniceus* ♂ ad.
232; 390; 125; 102; 12; 12; 30; 29 mm.
12664. *Ogilavis phoeniceus* ♂ ad.
250; 405; 130; 111; 23; 13; 30; 27.5.

March 27, 1903. Ft. Snelling, Minn.

12665. *Calurus virginianus*. ♂ ad. 253; 392; 117;
75; cul., 14; height, 9.2; tars., 34; rect., 35.

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March 27, 1903. Fort Snelling, Minn.

12666. *Spirilla monticola* ♂ ad.
163; 238; 75; 73; 10.8; 18.5
163; 238; 75; 73; 10.8; 18.5

12667. *Junco hyemalis* ♀ ad.
(162; 249; 78; 75; 10.5; 22; 19.

12668. *Junco hyemalis* (?) ad.
(161; 253; 81; 71; 10.9; 21.5; 19.

12669. *Sitta carolinensis* ♀ ad.
145; 287; 94; 53; 18; 19; 21.

March 28, 1903. Fort Snelling, Minn.

12670. *Sialia sialis* ♂ ad.
178; 305; 100; 72; 1; nost., 8; 20; 21.

12671. *Junco hyemalis* ♂ ad.
(165; 253; 82; 72; 11.2; 22; 19 mm.

March 30, 1903. Ft. Snelling, Minn.

12672. *Otocoris alpestris* ♂ ad.
190; 346; 113; 81; cul. 12; nost., 9.5; 22; 19.

12673. *Otocoris alpestris* ♂ ad.
193; 345; 111; 81; cul. 13; nost. 10; 22; 19 mm.

12674. *Oreothraupis canaria* ♂ imm.
136; 224; 77; 60; 9.15; 14.5.

12675. *Aegithalos phoeniceus fortis*, ♂ ad. 264; 415; 135;
107; cul. 25.6; depth bill, 16; 31.5; 30.5.

12676. *Lanius ludovicianus*, ♂ ad.
234; 325; 100; 103; 27; nost. 12; 27; 22.5.

12677. *Lanius ludovicianus* ♀ ad.
230; 325; 102; 107; 15; 26.5; 23; nost., 12.

12678. *Aegithalos phoeniceus fortis*, ♂ ad. 260; 410;
135; 110; cul. 26; depth bill 15.2; 30; 31

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12679. *Aegithalos phoeniceus phoeniceus*, ♂ ad.

247; 400; 127; 104; 23; height 13.2; 32; 30.

12680. *Aegithalos phoeniceus phoeniceus* ♂ ad.
246; 396; 126; 105; 23; 12; 30.5; 29.5.

12681. *Coccoccipitarius* — ad. Wriggling and
dead. It had been killed in winter of 1902-'03.

April 3, 1903. Fort Snelling, Minn.

12682. *Sitta carolinensis* ♂ ad.
157; 288; 97; 52; 17; 18; 22 mm.

12683. *Junco hyemalis* ♂ ad.
162; 252; 81; 74; 10.7; 22; 20.

12684. *Junco hyemalis* ♂ ad.
160; 252; 81; 72; 12; 21; 19.

Amphispiza carolinus. When scratching its head, it drops
its wing and puts its foot upon the wing.

April 8, 1903. Ft. Snelling, Minn.

12686. *Melospiza cinerea melodia* ♂ ad.
170; 225; 72; 79; 12; 22; 21 mm.

April 11, 1903. Fort Snelling, Minn.

12687. *Regulus satrapa satrapa* ♂ ad.
105; 177; 59; 44; 8; 18; 12.7

12688. *Melospiza cinerea melodia* ♀ ad.
155; 110; 64; 68; 12.2; 22; 20.5

12689. *Lanius ludovicianus migrans* ♂ ad.
230; 327; 104; 105; 16; height bill 8; 27.5; 22.

12690. *Sialia sialis* ♂ ad.
176; 320; 106; 74; 13; 18.5; 20 mm.

30 (April 11 — Continued)

12691. Coturnix auratus ♂ ad.
320; 522; 164; 120; 36.5; 30; 32;
12692. Coturnix auratus ♀ ad.
340; 545; 170; 131; 40; 32; 33.

April 13, 1903. Ft. Snelling, Minn.

12693. Thunella neglecta ♂ ad.
263; 431; 135; 93; 35; 40; 34 mm.

12694. Dryobates pubescens ♂ ad.
177; 316; 101; 72; 16.3; 18; 16. Tail with few cross bars

12695. Syndactyla bicolor ♂ ad.
155; 328; 12.2; 64; nost. 5.2; 11.5; 16 mm.

12696. Syndactyla bicolor ♀ ad. ♀
157; 316; 116; 65.5 2 (nost.); 12; 16,

Corvus americanus. — Nest apparently finished.

Sitta carolinensis. — A pair building nest in large elm in swamp; carrying coarse materials

Cyanocitta cristata. — Pair building in Norway spruce beside our quarters.

April 16, 1903. Ft. Snelling, Minn.

12697. Microspiza georgiana ♂ ad. Cycloned.
150; 203; 65; 61; 12; 22; 20 mm.

The first seen this year.

12698. Junco hyemalis ♀ ad. Cycloned.
160; 138; 78; 68; 12; 20; 19.

April 18, 1903. Ft. Snelling, Minn.

12699. Regulus calendula ♂ ad.
115; 179; 59; 47; 9; 19; 13.5 mm.

12700. Spizella monticola ♂ ad.

162; 245; 76; 75; 11; 21; 20.

12701. Junco hyemalis ♀ ad.
160; 240; 76; 67; 11; 22; 20

12702. Pooecetes grammacus ♂ ad.
168; 274; 86; 73; 12; 22; 19.

12703. Coturnix auratus ♀ ad. Blackish cheeks
315; 510; 160; 121; 36; 29; 31.

12704. Agelaius phoeniceus ♂ ad.

April 21, 1903. Ft. Snelling, Minn.

12705. Sphyrapicus varius ♂ imm.
219; 395; 128; 87; 22; 20; 22.

12706. Junco hyemalis ♀ ad.
160; 235; 75; 76; 11; 22; 19.

12707. Dendroica coronata ♂ ad.
148; 233; 77; 63; 10.5; 19; 16.

12708. Dendroica coronata ♂ ad.
147; 236; 76; 61; 10.5; 18; 17.

12709. Dendroica coronata ♀ ad.
147; 233; 76; 62; 10.2; 21; 16.

January 23, 1903. Ft. Snelling, Minn.

12710. Spizella monticola ♂ ad. Not measured.

12711. Dryobates pubescens ♂ ad. do

12712. Passer domesticus ♂ ad. do

April 16, 1903. Ft. Snelling, Minn.

12713. Leucosticte carolinus ♂ ad.
241; 370; 118; 99; 19.5; 32; 29 mm.

32 April 25, 1903. Ft. Snelling, Minn.

12714. *Buteo swainsoni*, ♂ ad.
710; 1100; 290; 195; 79; 98; 110 mm.
12715. *Coccyzus americanus*, ♂ ad.
325; 529; 165; 124; 34; 32; 31 mm.

April 26, 1903. Ft. Snelling, Minn.

12716. *Motacilla alba*, ♂ ad.
207; 365; 120; 90; 18; 29; 25.

April 30, 1903. Ft. Snelling, Minn.

12717. *Zonotrichia albicollis*, ♂ ad.
171; 235; 74; 76; 12.5; 23; 22.
12718. *Zonotrichia albicollis*, ♂ ad.
175; 245; 75; 78; 12; 24; 23.
12719. *Melospiza palustris* & *georgiana*, ♂ ad.
155; 208; 63; 65; 12; 23; 20.
12720. *Melospiza georgiana*, ♀ ad.
144; 199; 60; 59; 12; 22.5; 21.
12721. *Melospiza georgiana*, ♂ ad.
153; 206; 63; 64; 12; 22; 20.5.
12722. *Melospiza georgiana*, ♂ ad.
150; 205; 63; 62; 12; 23; 20.

May 1, 1903. Ft. Snelling, Minn.

12723. *Tachycineta bicolor*, ♂ ad.
153; 342; 126; 65; post. 5.3; 12.5; 16 mm.
The temperature fell to 24° F night before last and snow covered the ground. Swallows to day & yesterday have been flying the lakes in quest of scanty food. The above specimen

was killed by a Blue Jay. I was 33
ogling the Jay through an opera glass when noticed that it was biting something in a tall swallow tree. A moment later the Jay flew and the Swallow dropped to the ground. It was extremely macerated — a mere skeleton.

May 2, 1903. Ft. Snelling, Minn.

12724. *Asio wilsonianus*, ♀ ad.
355; 920; 296; 170; 17; 45; 46. Iris yellow.
Gizzard contained a hair-pellet, in which were imbedded skulls of *Sorex personatus*, *Microtus minor*, *M. pennsylvanicus* and feet of *Certhia americana*.
Note. — *Otocoris alpestris praticola*. Young were seen
awing in two places to-day. At least two broods.
Although able to fly quite strongly they were so
unsuspicious that they could scarcely be driven to.
12725. *Quiscalus quiscula aceneus*, ♂ ad.
330; 470; 155; 147; 30; 38; 37.

12726. *Sturnella neglecta*, ♂ ad.
264; 427; 130; 82; 36; 40; 33;

12727. *Dayornis phoebe*, ♂ ad.
184; 292; 93; 81; 15; post. 10.3; 18.5; 16.5.

12728. *Chondestes grammacus*, ♂ ad.
168; 276; 88; 73; 12; 21; 19.

Cyanocitta cristata. — Nest in *Abies excelsa* in front of our house contained 5 eggs May 3, 1903, ^{Not old eggs} day or two later.

Sitta carolinensis. — Nest in elm-tree in swamp contained young May 2, 1903.

Asio wilsonianus. — Two pairs seen ~~left~~ May 2.

Harpotyphlops rufus. — First seen (1) May 2, 1903.

12729. Asio wilsonianus. ♀ ad. M. Snelling.
Minn., April 27, 1903. Parent taken with
2 eggs (one broken). Nest in aspen, 15 feet above
the ground. It was an old crows' nest
filled and flattened at top. Eggs measure
42 by 33 mm. Bird: 378; 980; 300;
160; 19; 45; 48. Iris yellow. Stomach
contained remains of Microtus Pennsylvanicus
and Blarina brevicauda.
12730. Coturnis auratus leucus ♀ ad. M. Snelling.
Minn. April 30, 1903. Not measured.
S. Knobell, Corporal Weir Marston.

Specimens of Mammals.

4379. Peromyscus leucopus (Raf.). ♀ juv. Skull no. 3713. Nitalltag No. 3713.
Length, 128; tail, 52; pes, 19; ear from crown, 11 mm.
Chickamauga National Park, Georgia Aug. 2, 1898.
4380. Peromyscus leucopus (Raf.). ♂ juv. Nitalltag No. 3728.
Length, 130; tail, 57; pes, 19.2; ear from crown, 12 mm.
Chickamauga National Park, Georgia Aug. 2, 1898.
4381. Tamias striatus. ♀ ad. Camp Hamilton, Lexington, Ky.
August 25, 1898. 255; 95; head 48; pes, 38 mm.
4382. Microtus pennsylvanicus ♀ juv.
August 25, 1898. Lexington, Ky.
4384. Scalops a. macrurus (Raf.). ♀ ad. Camp Hamilton, Lexington, Ky. Sept. 5, 1898. Length, 208; tail vert., 38; manus, 26x26; head length, 50; hind foot, 24. Skin + skull.
4385. Scalops a. macrurus (Raf.). ♀ ad. do do
186; 38; manus, 25 long + 21 wide; hind foot, 21.
Skull only. These two are from Rafinesque's type locality.
4383. Tamias striatus. ♀ ad. Skull only.
Lexington, Ky. August 26, 1898.

4418. Mus musculus. ♀ ad. Nov. 16, 1898. Lexington Ky.
162; 77; 19 mm.
4385. Peromyscus leucopus. ♀ ad. Nov. 16, 1898.
165; 74; 21. Lexington, Ky.
4387. Peromyscus leucopus. ♀ ad. Nov. 16, 1898.
158; 67; 19.5. Lexington, Ky.
4388. Peromyscus leucopus. ♀ juv. Nov. 16, 1898.
Lexington, Ky.
4389. Microtus pennsylvanicus. ♀ ad. Nov. 17. Lexington
173; 73; 22.
4390. Peromyscus leucopus. ♀ ad. Nov. 17, 1898.
180; 82; 20.2. (See Bull. 37, usm.n.p. 9) Lexington, Ky.
4391. Peromyscus leucopus. ♀ imm. Nov. 17, 1898.
150; 19; 63. Lexington, Ky.
4392. Peromyscus leucopus. ♀ ad. Nov. 17, 1898.
179; 82; 21. Lexington, Ky.
4393. Peromyscus leucopus. ♀ yg. ad. Nov. 17, 1898.
162; 75; 20.5. Lexington, Ky.
4394. Peromyscus leucopus. ♀ imm. Nov. 17, 1898.
Lexington, Ky.
4395. Peromyscus leucopus. ♀ imm. Nov. 17, 1898. Lexington, Ky.
4396. Microtus pennsylvanicus. ♀ juv. do
4397. Microtus pennsylvanicus. ♀ ad. Nov. 18, 1898.
164; 45; 21. Lexington, Ky.
4398. Sciurus carolinensis. ♀ ad. Nov. 18, 1898.
430; 190; pes, 61; head, 47 mm.
4399. Microtus pennsylvanicus. ♀ ad. Mammæ $\frac{2-2}{2-2} = 8$.
Nov. 18, 1898. Lexington, Ky.
Length, 163; tail, 47; hind foot, 21 mm.

- leucopus* ♀.
 4400. *Peromyscus pennsylvanicus* ♀ ad. Lexington, Ky. Nov. 19/98.
 Length, 180; tail, 83; hind foot, 21 mm.
 4401. *Reithrodontomys lecontei impiger* Bangs. ♀ juv. do
 Length, 113; tail, 51; hind foot, 15.5 mm.
 4402. *Reithrodontomys lecontei impiger* Bangs. ♀ ad. Lexington, Ky. Nov. 21
 127; 57; 15.9 mm.
 4403. *Microtus pennsylvanicus* ♀
 $5\frac{11}{16}$; $1\frac{9}{16}$; $\frac{13}{16}$ inch.
 4404. *Peromyscus leucopus*. ♀ ad.
 $6\frac{3}{4}$; 3; $\frac{13}{16}$ inch.
 4405. *Peromyscus leucopus* ♀ imm.
 $5\frac{11}{16}$; $1\frac{9}{16}$, $\frac{13}{16}$ inch. not measured.
 4406. *Tamias striatus* ♀ juv. $9\frac{9}{16}$; $3\frac{7}{16}$; $1\frac{6}{16}$ in. do
 4407. *Lepus sylvaticus* ♀ ad.
 $18\frac{3}{4}$; 3; pes, $3\frac{15}{16}$; head, $3\frac{9}{16}$; ear crown, $3\frac{1}{8}$; notch, $2\frac{7}{16}$.
 4408. *Cervus carolinensis*. ♀ do
 $16\frac{1}{2}$; tail (end gone), $6\frac{3}{4}$; hind foot, $2\frac{7}{16}$.
 4409. *Microtus pennsylvanicus* ♀ ad. Nov. 22/98. Lexington, Ky.
 $7\frac{1}{4}$; $2\frac{3}{8}$; $\frac{13}{16}$ in.
 4410. *Peromyscus leucopus* ♀ ♂
 $6\frac{1}{4}$; $2\frac{3}{4}$; $\frac{13}{16}$ in.
 4411. *Reithrodontomys lecontei impiger* Bangs. ♀ ad. Nov. 24
 Length, 127; tail, 64; pes, 16 mm.
 4412. *Reithrodontomys Microtus pennsylvanicus*. ♀ ad. Dec. 1, 1898
 Skull only. Length, $6\frac{7}{8}$; tail $2\frac{1}{8}$; pes, $\frac{7}{8}$ inch.
 Lexington, Ky.
 4413. *Tamias striatus*. ♀ imm. Length, $9\frac{1}{2}$; tail
 vertebral, $3\frac{7}{16}$; hind foot $1\frac{6\frac{1}{2}}{16}$ inches.
 Nov. 25, 1898. Lexington, Kentucky.

4414. *Tamias striatus*. ♀ ad. Nov. 25, 1898. Lexington, Ky.
 Length, $10\frac{7}{16}$; tail vertebral, $3\frac{7}{8}$; hind foot, $1\frac{1}{2}$.
 4415. *Tamias striatus*. ♀ ad. Nov. 25, 1898. Lexington, Ky.
 Length, 10; tail vertebral, $3\frac{1}{2}$; hind foot, $1\frac{3}{8}$ inches.
 4416. *Peromyscus leucopus* ♂ ad. Skull only.
 Chickamauga Park, Georgia. August 20, 1898.
 4417. *Peromyscus gossypinus* ^(Le Conte) ♀ imm. Skull only.
 Chickamauga Park, Georgia. August 20, 1898.
 4419. *Cervus ludovicianus* ♀ ad. Lexington, Ky.
 December 6, 1898. Length, 22; tail vert., $10\frac{1}{2}$;
 hind foot, 3; head, $2\frac{7}{8}$; ear crown, $1\frac{11}{16}$; notch, $1\frac{3}{16}$.
 4420. *Sepia sylvatica*. - ad. Augusta,
 Georgia. January 5, 1899. Weathered &
 4421. *Peromyscus curculios* ♀ ad. Augusta, Ga.
 Jan. 23/1899. 175; 90; pes, 19; head, 29;
 ear crown, 11.5; ear notch, 14 mm.
 4422. *Peromyscus curculios* ♀ do
 $15\frac{1}{2}$; 69; pes, 18; head, 27.5; ear cr., 12; notch, 17.
 4423. *Peromyscus curculios*. ♂ do
 $162\frac{1}{2}$; 73; pes, 19; head, 27; ear crown, 13; notch, 17.
 4424. *Blarina carolinensis*. ♂ do
 $105\frac{1}{2}$; pes, 12; head, 22.
 Augusta, Ga. Jan. 24/1899.
 4425. *Peromyscus aureatus* ♀ ad.
 $170\frac{1}{2}$; 76; pes, 19; head, 29; ear crown, 12; notch, 15.5.
 4426. *Peromyscus aureolus* ♀ ad.
 $156\frac{1}{2}$; 71; pes, 18.5; head, 28; ear crown, 11.5; notch, 16.
 4427. *Peromyscus aureolus*. ♀
 $146\frac{1}{2}$; 65; pes, 18; head, 27; ear crown, 12; notch, 16.

4428. Peromyscus aureolus. ♂ ad. Augusta, Ga.
Jan. 25, 1899. 166; 77; pes, 18.5; head, 28;
ear crown 12.5; notch, 17 mm.

4429. Peromyscus aureolus. ♂ ad. Augusta,
Georgia. February 9, 1899. Skull, only.

Fort Adams, Newport, Rhode Island.

4430. Lepus caninus ad. Domestic Rabbit.
A broken, weathered skull, picked up near
the beach February 25, 1899.

May 1st, 1899.

The following-named mammals in-
habit this locality:

1. Whale (Sibbaldius acutirostris Cope). - One
seen in Narragansett Bay, March 11, 1899.

One or two are seen each year, I am told.

2. Fiber zibethicus (Linnaeus). - One
found dead on Easton's Beach April 27, 1899.
Size apparently very large like specimen
collected years ago on Long Island by
Theodore Roosevelt.

3. Microtus pennsylvanicus (Ord). - Very
numerous. Often seen in daytime.

4. Mus decumanus Linnaeus. - Called
"Wharf Rat". Numerous, large, and bold.

5. Mus musculus Linnaeus. Abundant
[6. Arctomys monax (Linnaeus). - One
seen from train, in western Rhode
Island. Not yet seen about Fort Adams.]

7. Phoca vitulina Linnaeus. - Often seen
in Narragansett Bay. Until work began
on the new fort at the Dumplings on
the opposite side of the East Channel from
Fort Adams, seals were often seen at those
little rock islands.

8. Porpoises (Phocoena phocaena (Linn) are
abundant in Narragansett Bay, but I
have not seen them.

Note. - I have done no shooting
or trapping as yet.

4431. Microtus pennsylvanicus. Skull
found at Fort Adams, Rhode Island,
May 18, 1899.

4432. Fiber zibethicus - ad. Skull of
specimen found dead at Easton's Beach,
Newport, Rhode Island, ~~April 27~~, ^{Sept. 2,} 1899.
Sept. 2, 1899. Ft. Adams, R. I.

4433. Mus decumanus ♂ ad.
Length, 465; ^{part} 218; hind foot, 45; ear from
crown, 15.5; notch, 21.5; head, 59 mm.

4434. Peromyscus leucopus. ♀ ad.
173; 78; 21.6; 14; 17; 29.

4435. Mus musculus. ♂ immature.
153; 72; 19

4436. Mus decumanus ♂ juv.
Gray village.

56 Fort Adams, Newport, Rhode Island.
Sept. 14, 1899.

Rode around the Ocean Drive on my wheel. The Barn Swallows and Kingbirds some of which were seen Sept. 12th have departed. Herring Gulls came in flocks Sept. 12. A young one was seen August 4th. No others until Sept. 4th when several young appeared. The first adult was seen Sept. 11. Both young and adults were abundant Sept. 12.

A few Terns, probably Common are still here. Nighthawks, which have been common though not numerous for ten days past, are still here.

Sept. 16, 1899.

Coccyzus erythrophthalmus. - One seen.

Nov. 19, 1899. Ft. Adams, R.I.

Dendroica coronata. - One seen.

Colaptes auratus. - One.

Spirolla monticola. - Abundant.

Sturnella magna. - Common. Drifting.

Anostura lygmaialis. - One; the first seen ^{yesterday}.

Nov. 20, 1899. Ft. Adams, R.I.

Dendroica coronata.

Colaptes auratus. - Several.

Parus atricapillus. - Several in scattered pairs.

Ft. Adams, R.I. Nov. 18, 1899.

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4437. Microtus pennsylvanicus. ♀ juv.

4438. " " " ♀ ad.

Length, 180; tail, 49; tail hairs, 56; hind foot, 22; head, 34; ear crown, 8; ear notch 13mm.

4439. Microtus pennsylvanicus. ♀ ad.

170; 46; 52; 23; head, 32; ear crown, 7; ear notch, 13mm.

4440. ~~Microtus~~ Blarina brevicauda. ♀ ad.

Length, 132; tail vert., 26; hind foot, 16; head, 31 mm.

Ft. Adams, R.I., Nov. 19, 1899.

4441. Blarina brevicauda ♀ ad. In formalin.

^{37⁹³ May 3rd Found drowned in a brick sewer into which it had fallen, along with no. 4442.}

4442. Microtus pennsylvanicus juv. Preserved in formalin. See under no. 4441.

4443. Mus musculus ♀ ad. Length, 178; tail vert., 86; hind foot, 19; head, 25; ear crown, 9.5; ear notch, 12.5. ¹ Nist also preserved. Am. Mus. Nat. Hist., N.Y.

4444. Peromyscus leucopus. ♀ ad. Length, 174; tail vert., 80; hind foot, 21; head, 29; ear crown, 12; notch, 16.

4445. Blarina brevicauda. ♀ ad. Length, 131; tail vert., 37; hind foot, 16; head 28 mm.

4446. Blarina brevicauda. ♀ immature. 133; 26; 15.5; 28

4447. Blarina brevicauda. ♀ ad. 132; 30; 16; 29 mm. Sent to Am. Mus. Nat. Hist., N.Y.

4448. Blarina brevicauda. ♀ immature.

115; 23; 16.7; 29. ¹ Blarina brevicauda. ♀ ad. 134; 31; 18; 31.

Hart Adams, R. I. Nov. 20, 1899.

4450. Microtus pennsylvanicus ♀ juv.
Length, 143; tail vert., 37; hind foot, 21.5 mm.
Length, 164; tail vert., 45; tail hairs, 52;
hind foot, 22; head, 32; ear crown, 7;
ear notch, 11.5 mm.
4452. Blarina brevicauda ♀. Length, 125;
tail vert., 25 (pencil, 6); hind foot, 16; head, 30 mm.
4453. Blarina brevicauda. ♀.
126; 27; 15.8; 30 mm.
4454. Blarina brevicauda. ♂ imm.
121; 25.5 (pencil, 6.5); 16; 29 mm.
4455. Blarina brevicauda. ♂.
126; 27; 16.7; 29 mm.

Hart Adams, R. I. Nov. 21, 1899.

4456. Mus musculus ♀ imm.
4457. Microtus pennsylvanicus. ♀ ad.
(Am. Mus. Nat. Hist., N.Y.)
173; 55; hairs, 63; hind foot, 22; head, 33;
ear crown, 7.3; ear notch, 12.3 mm.
4458. Blarina brevicauda. ♀ ad.
132; 26; 16; 31 mm.
4459. Blarina brevicauda. ♀ juv.
125; 28; 16; 29 mm.

Hart Adams, R. I. Nov. 22, 1899.

4460. Microtus pennsylvanicus. ♂ ad.
166; 47 (hairs, 54); h. ft., 22; head, 33;
ear crown, 8; ear notch, 13 mm.
4461. Blarina brevicauda ♀.
121; 25; 16; 28 mm.

Hart Adams, R. I. Nov. 23, 1899. 59

With 106 traps set, caught 6 small mammals,
only, as most of the little beasts have been
taken in the area covered by the traps; and
the traps were purposely left, in the hope of
getting some species additional to our
list. Hitherto, besides the house rat and
mouse, only Blarina brevicauda, Microtus
pennsylvanicus, and Peromyscus leucopus
have been trapped by us on this island.
We have found the harbor porpoise alive,
and have seen numerous dead examples
of the Skunk and Muskrat. Bats have
also been seen in considerable
number. The only one taken (by my son)
was a Red Bat.

4462. Mus musculus. ♀ imm. { Presented to the Am.
Mus. Nat. Hist., N.Y.
4463. Blarina brevicauda. ♂ ad. Length, 130;
tail vertebræ, 28; tail to end of hairs, 35; hind
foot, 16.4; head, 30.3.
4464. Blarina brevicauda. ♂ ad.
Sent to the Am. Mus. Nat. Hist., N.Y.

Hart Adams, R. I. Nov. 24, 1899.

Six mammals trapped (106 traps). Two Peromyscus
leucopus, 1 Blarina brevicauda, 1 Microtus
pennsylvanicus, and one each of Mus
musculus and M. deermanni.

4465. Mus musculus. ♂ juv.
4466. Peromyscus leucopus ♂ imm. Length,
146; tail vert., 62; hind foot, 20.5 mm.

60 (Ft. Adams, R. I., Nov. 24, 1899—Concluded.)

4467. Microtus pennsylvanicus. ♂ imm.
Length, 158; tail vert., 43; hind foot, 22.3
Length, 155; tail vert., 44; tail hairs, 50; hind
foot, 21; head, 32 mm.
4468. Blarina brevicauda. ♀ ad. Length
144; tail vert., 30; tail hairs, 35; hind
foot, 16.8; head, 31 mm.

(Ft. Adams, R. I., Nov. 25, 1899.)

Trapped 4 Blarina brevicauda and one
Microtus pennsylvanicus in 106 traps.

4469. Blarina brevicauda. ♀.
133; 27; 32; 16.2; 31 mm.
4470. Blarina brevicauda. ♀.
123; 25; 30; 16; 30 mm.
4471. Blarina brevicauda. ♀.
132; 28; 33; 16; 29 mm. Molting.

(Ft. Adams, R. I., Nov. 26, 1899.)

4472. Mus decumanus Pallas. ♂ ad. Skull only.
A large, wild "Wharf Rat", living in bank by the sea.
With 106 traps only 4 mammals (1 House Rat and
3 Blarinas) were taken. Some skinned the Blarinas.

(Ft. Adams, R. I., Nov. 27, 1899.)

With 130 traps, 1 rat and 1 Blarina were caught.
Rats sprung most of the traps.

4473. Microtus pennsylvanicus ♂ ad. Length,
173; tail vert., 54; tail hairs, 60;
hind foot, 23; head, 33 mm. Presented
to the Am. Mus. Nat. Hist., N. Y.

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4474. Microtus pennsylvanicus (Ord) ♂ Length,
155; tail vert., 44; tail hairs, 50; hind
foot, 21; head, 32 mm.
4475. Blarina brevicauda ♀ ad.
Length, 128; tail vert., 26; hairs, 31; hind
foot, 16.5; head, 31 mm.
4476. Blarina brevicauda. ♂ ad.
130; 27; 32; 16.5; 30 mm.

November 29, 1899.

Took up all the traps set near Ft. Adams,
and transferred them to Connanicut
Island, where about 80 were set in
a swamp grown with willow, swamp maple, alder,
rose, grape, ~~and~~ ^{willow} bayberry and many other
shrub & small trees; in the wettest parts
carpeted with sphagnum, in which
numerous runways and tunnels were
found, some of the latter so small
as to suggest their being those of a Sorex.
The morning's catch at Ft. Adams, Rhode
Island island was 1 Microtus & 5 Blarinas.

November 30, 1899.

Trapped six mammals (3 house rats,
1 house mouse, and two Microtus
pennsylvanicus) on Connanicut
Island. Three flat skins of fiber
recently ~~skinned~~ trapped at the Leechhouse Pond
(Isaac Miller's property) were given us.

(Nov. 30 - Concluded.)

4477. *Fiber zibethicus*. Adult. Flat skin ^{no skull}
4478. " " Adult "
4479. " " Immature "
4480. *Microtus pennsylvanicus*. ♂ juv.
Length, 138; tail vertebrae, 39; hind foot, 21 mm.
4481. *Mus musculus*. ♀ juv.
Length, 145; tail vert., 71; hind foot, 18.3.
4482. *Mus decumanus* Pallas. ♀ ad.
Length, 405; tail vert., 190; hairs, 195;
hind foot., 42.5; head, 56; ear crown, 13;
ear notch, 20 mm.

Notes. - Mr. Isaia Clark was the first person to report the presence of the Right Whale (*Balaena eisarchcea* Cope) ^{He called it "thin-back"} off Beaver-tail, Connanicut Island.

When it finally appeared off Fort Adams it was shot, wounded, and finally driven ashore in Branton's Cove where it was killed. This was in 1894. Mr. Clark said that both brown and black Minks are found on Connanicut Island, and that some are trapped nearly every year. The "black" skins sell for \$2⁵⁰ and the "brown" for \$1⁰⁰ each.

Fiber zibethicus. - Mr. Clark, who gave us the 3 Muskrat skins, says that about 200 are annually trapped on Connanicut Island. Skunk, or Raccoon Mr. Clark never heard of a Weasel on Connanicut Island; but described

Peromyscus leucopus novaboracensis ⁶³

and said they had always been more or less common on the island. He said *Blarina brevicauda* was very scarce there. Bats of several species are found there; and Seals are regularly seen off the shores, especially about the Dumplings and rocks at Beaver-tail.

The Captain of the Ferryboat "Beaver-tail" had taken Mink, Muskrat, Deer Mouse, Meadow Mouse, and Rabbits on Connanicut Island. A Mr.

Gardner told me he had taken two specimens of Rabbits on Connanicut Island, November 27, 1899. Several persons said that Rabbits are quite numerous on the island. The list of mammals known to occur on Connanicut Island is as follows:

- 1 *Phoca vitulina*
- 2 *Peromyscus leucopus novaboracensis*
- 3 *Microtus pennsylvanicus*
- 4 *Mus decumanus* Pallas.
- 5 *Mus musculus*.
- 6 *Erethizon dorsatum* mallurus
- 7 *Fiber zibethicus*
8. *Blarina brevicauda*
- 9 - Several undetermined species of Bats.

64 Conanicut Island, R. I. Dec. 1, 1899.

4483. *Peromyscus leucopus novaboracensis*

♂ ad. Length, 185; tail vertebræ, 81; tail to end of hairs, 86; hind foot, 22.5; head, 32; ear from crown, 12; notch, 16.5 mm.

4484. *Microtus pennsylvanicus*. ♂ ad. Length, 160; tail vert., 44; tail hairs, 50; hind foot, 22; head, 32; ear from crown, 9; ear from notch, 15 mm. Trapped in a sphagnum swamp on west side of Conanicut Island. Color grayish.

Conanicut Island, R. I. Dec. 2, 1899.

4485. *Peromyscus leucopus* ♀ juv. Length, 136; tail vertebræ, 58; hind foot, 21 mm. All gray pelage.

Conanicut Island, R. I. Dec. 3, 1899.

#486. Brought in the traps from Conanicut Island. In 125 traps only four mammals were taken (1 Muskrat, 2 House Rats, and 1 Peromyscus).

4486. *Peromyscus leucopus novaboracensis*. ♀ ad. Length, 172; tail vert., 78; hairs, 83; hind foot, 21.5; head, 29; ear crown, 11; ear notch, 16.

Fiber zibethicus. - On November 29, 1899, Mr. Isaac Clark lay concealed watching a Muskrat that he was trying to shoot. Intent on killing the Muskrat that had given trouble by injuring the dam, Mr. Clark was surprised to see the animal suddenly dive. Looking up the cause was discovered.

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A Great-horned Owl (*Bubo virginianus*) was flying overhead also intent on capturing the Muskrat.

Notes on Delphinidae: -

1. The Striped Dolphin (*Lagenorhynchus acutus* Gray), figured by Doctor True, Bull. 36, U. S. Nat. Mus., pl. XXIII, was "captured at Woods Hole, Mass." True also records specimen from "Cape Cod" (p. 87) See "Habitat" p. 169.
2. *Tursiops tursio* (Fabricius). Porpoise. - True gives no record from north of New York (Fire Island and Turkey Gut), but under "Habitat," (p. 159) True's marine to "Long Island" old.
3. *Delphinus delphis* Linnaeus.

Porpoises or Dolphins are known to occur in large numbers between Block Island and Newport, Rhode Island; and, since Doctor True records specimen No. 20,873, U. S. Nat. Mus., taken "Off Block I'd, R. I.", as belonging to this species, it may be assumed to be the common Porpoise of this region. True also records this species from "New York Bay" and "New York Harbor," ~~and~~ from "Off No Man's Land, Mass.;" "Wood's Hole, Mass." "Habitat. — Pelagic" [p. 161].

4. *Phocaena phocaena* (Linnaeus). Harbor Porpoise. This is abundant in Narragansett Bay where it is commonly called "Puffing Pig". Doctor True states that all of the U. S. Nat. Mus. from the "east coast" (Atlantic) are from Cape May, N. J. and Eastport, Me.

5. *Globicephalus melas* (Traill). Blackfish. Schools of Blackfish often enter Narragansett Bay, where some are taken every year or two. Its range extends south along the Atlantic coast to New Jersey. True records 6 specimens from Cape Cod, Mass. recorded at from the east end of Long Island, N. Y. Sup. in

In Document 3 of the Rhode Island Natural History Society, under "Donations to Museum", "Mr. George H. Norman, Newport; skull of a black fish."

6. Orca orca (Linnaeus). Killer; Sword Grampus

This pelagic species has been recorded from Long Island by De Kay. True figures it on plate XLV. Jordan gives the following: "Black, white below. A most persistently voracious and destructive cetacean, attacking all large sea animals, tunnies, sword-fishes, seals, and all whales, even the largest, to the great annoyance of the fishermen. L. 20 feet or more. D. 6 feet high. Atl. (Eu.) (O. gladiator Bonnaterre,)."

7. Grampus griseus (Cuvier).

Doctor True records about 20 specimens. "All these specimens are from Cape Cod, Massachusetts, whence they were received in the fall of 1875. . . . "Cape Cod; Atlantic City, N. J.; Massachusetts." [p. 183.]

8. Delphinapterus leucas (Pallas).

"Color white throughout" [True, p. 187] "Total length, 137.5 inches. . . . straggling southward to Firth of Forth, Scotland, and Cape Cod, Massachusetts." [True, p. 188.]

Notes on the Whales. —

1. Hyperoodon rostratus (Blehmintz). Bottlenosed Whale. — De Kay, Zoology of New York Mammalia, page 130, 1842, says: "The above description was taken from a whale captured in the lower bay of New York in 1822. I had no opportunity of determining its sex, but was informed that it was a

female." In his "Preliminary List of New York Mammals", Bull. N. Y. State Mus., Vol. 6, No. 29, Oct., 1899, page 297, Mr. Gerrit P. Miller, Jr. observes: "This whale has been taken in New York waters only once, in 1822."

2. Physeter macrocephalus Linnaeus.

Sperm Whale. — In the list above cited, Mr. Miller observes that this species was "Formerly abundant along the coast but now nearly exterminated." In 1842, De Kay wrote: "The sperm whale was formerly numerous on our coast where it is still occasionally captured." [Page 129.]

Thus far I have but one record for the State of Rhode Island: Captain B. H. Gardner, who as pilot and captain of the steamboat "George W. Donaldson", ran between Block Island and Newport for sixteen (16) years, ending in 1896, informed me that a Sperm Whale stranded at Block Island about the year 1870. By experienced whalers this individual was pronounced to be a Sperm and not a Right Whale. Some of the remains of this whale are still preserved at Block Island. Captain William Littlefield, brother-in-law of Captain Gardner, has parts of the skeleton in his garden, at Block Island, at the present time (November, 1899).

3. Balaena glacialis Cope. Right Whale.

"This whale is frequently seen off the south coast of Long Island, and occasionally one is captured near the eastern end of the island," writes Mr. Helme in Miller's New York list.

It is commonly seen off the coast of Rhode Island, and occasionally though rarely enters Narragansett Bay. Captain B. F. Gardner who was pilot and captain of the steamboat "George W. Donaldson," running between Block Island and Newport, Rhode Island, from 1880 to 1896, informed me that almost every year Right Whales were seen in schools of six to twenty (6-20), usually in pairs. He saw them last in 1896. But, as he called them "Fin-back Whales", I am uncertain whether they belonged to this species or the next.

Jordan says: "Right Whale. Black Whale. The common large whale of our Eastern coasts and the North Atlantic generally, occasionally south S. to S. C. Color black. L. 40 feet."

4. Sibbaldius tectoris Cope. Fin-back Whale.

Jordan says: "L. 60 feet. Common of E. U. S., the most common large whale in Mass. Bay."

The whale killed by soldiers at Brenton's Cove, Ft. Adams, R. I. may have been this species, as I have often heard it spoken off as a "Fin-back."

Papers collated for Records
of Rhode Island Mammals.

1. Jordan's Manual of Vertebrates 2d & 5th Eds.
2. True's Review of Family Delphinidae.
3. Garrison Allen's Bats, last edition.
4. Random Notes by Southwick and Jones.
5. Jones and Allen. Monogr. Rodentia.
6. Coues's N. Am. Mysticidae (no R. I. references!).
7. Proceedings of the Rhode Island Natural History Society.
8. De Kay's N. Y. State Mammals, 1842.
9. Colonial Records of State of Rhode Island Vols. I - X
10. Audubon Bachman's Quadrupeds of N. Am. Vols. I, II, & 2 addns.
11. Merriam's Mammals of the Adirondacks, N.Y.
12. American Moles. True. 1896.
13. Preliminary List of New York Mammals. Miller. 1899.
14. Geological Survey of Rhode Island.
15. Mammals of North America. Baird. 1857. No references to R. I.
16. Smithsonian and U. S. Nat. Mus. Reports, for 1896, 1895, 1894, 1893

Microtus pennsylvanicus.—Two specimens (Nos. 4716 and 4719, us.n.m.) collected in November, 1855, at Newport, R. I., by S. Powell are marked as the types of "borealis", Le Conte, 1853 (sic); nec Richardson, "by E. Coues in Rodentia, Table XLII, p. 166.

Specimen No. 4722, us.n.m., is marked by Coues as the "Type of 'nasuta'." It evidently is one of the same batch of Newport Specimens collected by Powell, whereas *nasuta* Bachman came from Mass.

Memorandum of mammal-traps on hand
December 6, 1899.

4 Steel traps (2 no 0 and 2 no. 1), one defective,
4 Climax,
1 Small wooden,
6 Large-pattern cyclone (one broken),
107 Cyclone, small.
122 Total. All in Dec. 6, 1899.

December 6, 1899.

The specimens of *Lepus* registered below came from the Boston Market, and must have been killed during the first week of December. Many of the adults are changing to white; but the young in this lot were all in brown summer pelage.

4487. *Lepus americanus virginianus* ♂ ad.
Molting, but still almost entirely brown.
Length, 535 mm.; tail vertebræ, 64;

tail to end of hairs, 90; hind foot, 142; head, 100; ear from crown, 90; ear from notch, 74.

4488. *Lepus americanus virginianus* ♀ im.
Length, 405; tail vert., 60; tail hairs, 95; hind foot, 143; head, 90; ear crown, 91; ear notch, 75 mm. Pelage thickly mixed with white.

4489. *Lepus americanus virginianus*. ♂ im.
470; 50; 80; 130; 90; 88; 72 mm.

Conanicut Island, R. I. Dec. 12, 1899.

4490. *Fiber zibethicus* ♂ im.
Length, 555; tail vert., 254; hairs, 261; hind foot, 83; head, 76; ear crown, 16; notch, 21 mm.

4491. *Fiber zibethicus* ♀ im.
565; 263; 270; 80; 75; 16; 20 mm.

4492. *Fiber zibethicus* ♀ ad.
632; 295; 313; 86; 83; 16; 21 mm.

4493. *Fiber zibethicus* ♀ ad.
622; 282; 289; 85; 82; 14; 20 mm.

4494. *Fiber zibethicus* ♂ ad.
585; 273; 282; 87; 76; 14; 20 mm.

Second Beach, Rhode Island Id, R. I. Dec. 13, 1899.

4495. *Tursiops tursio*. Old. Identified by Dr. True.
Flukes of a Dolphin. Second Beach.

~~1119~~. The following-named bones seem to belong to same individual: Ten vertebræ and one rib of a Dolphin.

One (large) vertebra came from a short distance away from the remaining nine. Many were left, that could not be carried.

Greater part of skeleton without skull, finally sent.
Mr. Philip Peckham says this individual was 12 ft long. Weight about 1000 lbs.

72 Conanicut Island, Rhode Island. Dec. 15, 1899.

4496. Fiber zibethicus. ♀ ad. Length, 627; tail vert., 290; tail to end of hairs, 299; tail, greatest width, 24; hind foot, 85; head, 81; ear above crown, 15; ear above notch, 21 mm.

4497. Fiber zibethicus. ♂ ad. 610; 290; 297; 23; 83; 76; 14; 20 mm.

4498. Fiber zibethicus. ♂ imm. 572; 258; 265; 22; 86; 75; 14; 20 mm.

4499. Fiber zibethicus. ♀ imm. 515; 230; 237; 19; 79; 70; 13; 19 mm.

4500. Fiber zibethicus. ♂ imm. 507; 240; 247; 20; 75; 67; 13; 19 mm.

Fort Adams, Rhode Island. Dec. 16, 1899.

4501. Blarina brevicauda ad. Preserved in formalin. Metal tag no. 3740?

Conanicut Island, R. I. December 19, 1899.

4502. Fiber zibethicus. ♂ ad. 583; 275; 282
tail width 21; 83; 78; 17; 24 mm.

4503. Fiber zibethicus ♂ ad. 598; 293; 300;
21; 86; 77; 16; 23 mm.

Conanicut Island, R. I. December 23, 1899.

4504. Fiber zibethicus. ♂ ad. Not aged. Jet black above!
595; 275; 283; 20; 84; 74; 16; 20 mm.

4505. Fiber zibethicus ♂ imm.
565; 275; 282; 20; 81; 73; 16; 20 mm.

4506. Fiber zibethicus. ♀
593; 285; 292; 27; 74; 17; 21 mm.

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4507. Fiber zibethicus. ♂ ad.

640; 300; 308; 24; 90; 80; 15; 21 mm.

4508. Fiber zibethicus. ♀ imm.

580; 275; 282; 21; 83; 76; 15; 20 mm.

Fort Adams, Newport, R. I. Dec. 24, 1899.

4509. Blarina brevicauda. ♀ ad. 135; 30; 36;
16.4; 31 mm.

4510. Blarina brevicauda ♀ ad. 120; 21; 27;
15.5; 29 mm.

Conanicut Island, R. I. Dec. 27, 1899.

4511. Fiber zibethicus. ♀

580; 265; 273; 25; 85; 73; 16; 21.

4512. Fiber zibethicus. ♂

580; 270; 278; 21; 84; 73; 16; 21.

4513. Fiber zibethicus. ♂

590; 275; 281; 22; 585; 270; 276; 21; 84; 72;

4514. Fiber zibethicus. ♂

590; 275; 281; 22; 80; 74; 15; 21.

Fort Adams, Newport, Rhode Island.

January 23, 1900.

4515. Mephitis mephitis

Skull, damaged.

4516. Mephitis mephitis

Skull, damaged.

The above were two dead, decaying [♀] Skunks found at the back part of the Grosvenor estate. Three dead skunks, in all, have been seen near Fort Adams.

Fort Adams, R. I. Jan. 23, 1900.

Mephitis mephitis. - One killed near Fort Adams.

Ft. Adams, R. I. April 1, 1900.

4517. Fiber zibethicus. ♀ ad. Gulf Club Grounds, near Ft. Adams. Length, 575; tail vertebrae, 253; tail to end of hairs, 258; hind foot, 80; head, 72 mm. tail width, 21.

Ft. Adams, R. I. April 4, 1900

4518. Fiber zibethicus ♂ ad. Almy Pond. Length, 618 mm.; tail vertebrae, 272; tail to end of hairs, 278; tail, greatest width, 24; length of hind foot, 81; length of head, 78.

4519. Fiber zibethicus ♂ ad. Contained 6 (4-2) small fetuses. 582; 240; 246; 23.5; 81; 79 mm.

4520. Fiber zibethicus. ♀ ad. Not pregnant.

600; 155; 162; 22; 82; 78 mm.

4521. Fiber zibethicus. ♂ immature. Almy Pond. 525; 222; 228; 22; 78; 74 mm.

Ft. Adams, R. I. April 15, 1900

4522. Fiber zibethicus ♂ ad. Almy Pond. 590; 250; 257; 21; hind foot, 76; head, 78 mm. ear above crown, 15; above notch, 20 mm.

4523. Fiber zibethicus ♂ ad. 587; 257; 262; 19; 80 mm (head); hind foot, 84 mm;

4524. Fiber zibethicus ear above crown, 15; above notch, 20 mm. Almy Pond

4524. Fiber zibethicus. ♂ ad. Almy Pond. 625; 287; 295; 18; 83 in 15; 20 mm.

4525. Fiber zibethicus. ♂ ad. Almy Pond. 570; 235; 242; 20; hind foot, 82; head, 78; ear crown, 15; notch, 19 mm.

4526. Fiber zibethicus. ♂ ad. Almy Pond. 582; 258; 265; tail, width, 18; hind foot, 80; head, 75; ear crown 17; notch, 19 mm.

4527. Fiber zibethicus. ♂ Almy Pond. 590; 260; 267; 21; 82; 76; 15; 19 mm.

Phoca vitulina. - One seen in Narragansett Bay, at Fort Adams, R. I.

(Almy Pond.) Fort Adams, Newport R. I. April 19, 1900.

4528. Fiber zibethicus. ♀ immature.

485; 214; 219; 17; hind foot 72; head, 70; ear crown, 15; ear notch, 19 mm. Little young.

4529. Fiber zibethicus. ♂ ad. 595; 270; 276; tail width, 21; hind foot, 84; head, 79; ear above crown, 15; ear above notch, 23 mm.

4530. Fiber zibethicus. ♀ ad. Length, 568; tail rot, 238; tail hairs, 245; width, 17; hind foot, 81; head, 72; ear crown, 15; notch, 20 mm. Contained six (2♀ 4♂) small fetuses (5-13) mm. of hazel nut.

4531. Fiber zibethicus. ♂ ad.

603; 235; 240; 817; 85; 75; 15; 20 mm.

Had previously lost hind foot in trap and recovered.

4532. Fiber zibethicus. ♂ ad. 600; 267; 275; 20; 82; 79; 16; 21 mm.

76

April 20, 1900.

4533. Arctomys monax. ♂ ad.
Length, 535 mm.; tail vertebræ, 145;
tail to end of hairs, 200; length of hind
foot, 78; head, 95; ear above crown,
16; ear above notch, 25. Moderately
fat. Trapped in burrow under a wall,
with No. 4534, on Dutch Island, Narragansett Bay, R.I.

4534. Arctomys monax. ♀ juv.

455; 120; 175; 74; 92; 18; 26 mm.

Hart Adams, R. I.

4535. Microtus pennsylvanicus. Several
fragmentary skulls picked up beside
a marsh, April 21, 1900.

4536. Batrachoseps canadensis, ~~sector~~.

Several Blarina skulls (broken) found
with No. 4535, April 21, 1900.

4537. Fiber zibethicus. adult. Skull
found with No. 4535, April 21, 1900.
Food of Great Horned Owl (Bubo virginianus).
Hart Adams, Newport, R. I. April 21, 1900.

4538. Fiber zibethicus. ♂ ad. 625; 280;
287; tail width, 18; hind foot, 86;
head, 80; ear crown, 18; ear above
notch, 25. Weight $3\frac{1}{4}$ pounds. Ovaria.
Mounted for the Collection of the Newport
Natural History Society. (No. 12,018.)
Alum Pond.

Dutch Island R. I. May 4, 1900.

4539. Mus decumanus. ♀ juv.
Preserved in formalin.

76

4540.

Dutch Island, R. I. May 12, 1900.
Mus decumanus. ♀ juv. Eyes not yet open.
Preserved in formalin.

Hart Adams, Newport, R. I. May 20, 1900.

In a swamp of soft maples and bushes,
I found a quantity of Owl pellets. 22 Of them
were examined and found to be composed
entirely of mammal bones and hair. All
were Blarina brevicauda and Microtus pennsylvanicus. Two contained each one Blarina and one
Microtus skull; one contained 2 Blarinæ; three contained
one Blarina each; and all the rest contained
one or more each of Microtus. The 22 pellets
collectively, contained 21 Microtus and 7 Blarina,
a total of 28 mammal skulls.

4541

Mephitis

♀ ad.

Total length, 650 mm.; tail vertebræ, 294
Trapped at the residence of Mr. Philip
Peckham, Middletown, near Newport, R. I.,
May 27, 1900 (Killed May 29).

Skin deglycerized by washing with a
10% Laboragues solution.

Skin and skull preserved.

Hanging Rock, Middletown, R. I. June 2, 1900.

4542.

Peromyscus leucopus sierraeacus. ♂ ad.
Length 163 mm.; tail vert. 70; hairs, 74; hind
foot, 20.7; head, 30; ear crown, 12; ear notch, 15.
Caught in a rotten tree trunk beside a stream.

4543. *Blarina brevicauda*. ♂ ad. Ft. Adams,
R. I. June 8, 1900. In formalin.

4544. *Phocaena phocaena* (Linnaeus). Harbor
Porpoise; Puffing-Pig. ♂ ad. Caught June 11,
1900, in fish trap set in the Eddot River
near Third Beach, Middletown, R. I.
Total length, in a straight line, measured
from end of upper jaw to notch between flukes 55
inches. Total length, following dorsal curves, 58 in.
Across flukes $13\frac{1}{2}$ inches. Circumference of
smallest part of caudal peduncle, 7; length
of pectoral anteriorly, $22\frac{5}{8}$ in.; length of pectoral
posteriorly, $15\frac{5}{8}$ in.; breadth of pectoral at base, 90.
Distance between pectorals (base, below), $5\frac{1}{2}$ in.
Length of mouth, 11.5 mm.; tip of maxilla to
eye, 16.8 (below ^{is located} blow-hole direct, above eye); tip of
mandible to anus, 35 inches; anus to end
of notch between flukes, 18 inches; greatest
girth of body, 35 inches. Weight estimated
by captor at 80 to 100 pounds.
Entire skeleton preserved; also piece of cuticle.
First stomach contained about two quarts
of masticated flesh and bones of the
Common Scup or Porgy (*Stenotomus*
chrysops (Linnaeus)). Second stomach empty.
Length of caudal, 12.5 mm.; length of pectoral,
22.0; greatest width of pectoral, 7.8 mm.; length
of dorsal, 19.0; height of dorsal, 12.0. The
following three measurements were taken

afterwards from the roughly cleaned
skeleton and are only approximately accurate:
Length of head, 32.0 mm.
Tip of snout to dorsal, 67.0 mm.
" " " pectoral, 31.0 mm.
Coloration - Bicolored, black above and
white below. The upper half of the body,
and all the fins are black. The sides are
stone color or olive-gray; under surface
~~except angle~~ including lower jaw except for
a short distance in front of the angle, pure
white, dashed or shot (not marbled or mottled)
with olive-gray, posterior to anus and above.

4545. *Oictomys monax* ♂ juv. June 20,
1900. ^{Washington County,} Saundertown, Rhode Island. Hair 68;
Length, 230; tail vertebrae, $5\frac{1}{2}$; hind
foot, 41; head, 64 mm. Saundertown, R. I.

4546. *Blarina brevicauda*. ♀ ad. Peat Pond,
Newport, Rhode Island, June 24, 1900.
L., 12.5; tail vert., 2.5; hair, 31; hind foot,
15.5; head, 2.9 mm. Preserved in formalin.

4547. *Microtus pennsylvanicus*. ♂ ad. Ditto
Length, 166; tail vert., 5.0; tail hairs, 56;
hind foot, 22.6; head, 30 mm. ^{Formalin}

4548. *Microtus pennsylvanicus*. ♀ juv.
Length, 160 mm.; tail vert., 4.3; hind foot,
21.6. From marsh beside Peat Pond,
Newport, R. I., June 25, 1900.
Skin and skull.

Mammals in Formalin.

4549. Microtus pennsylvanicus. ♂ juv.
Peat Pond, Newport, R. I. June 26, 1900.
Quite young. Preserved in formalin.
Length, 126; tail vert., 32; tail hairs, 36;
hind foot, 19; head 26 mm.

4550. Peromyscus leucopus novaboracensis.
♂ ad. Peat Pond, Newport, R. I. July 4, 1900.
Length, 164; tail vertebrae, 71; tail to
end of hairs, 76; ear from crown, 14; ear
from notch, 17; length of head, 28.
Length of hind foot, 20 mm. Caught
at the base of a cliff. Skin and skull.

4551. Microtus pennsylvanicus. ♀ juv.
Peat Pond, Newport, Rhode Island, June 27, 1900.
Length, 154; tail vertebrae, 44; tail to end of
hairs, 50; length of hind foot, 21; head, 31 mm.

4552. Microtus pennsylvanicus. ♂ juv.
Peat Pond, Newport, R. I. June 27, 1900.
Length, 145; tail vertebrae, 39; hairs, 45;
hind foot, 21; head, 28 mm.

4553. Microtus pennsylvanicus. ♀ juv.
Peat Pond, Newport, R. I. June 28, 1900.
Length, 147; tail vertebrae, 45; hairs, 51;
hind foot, 22; head, 30 mm.

4554. Microtus pennsylvanicus. ♂ juv.
Peat Pond, Newport, R. I. June 29, 1900.
Length, 130; tail vertebrae, 34; hairs, 37;
hind foot, 18; head, 28 mm.

4555. Peromyscus leucopus novaboracensis. ♂ juv.
July 3, 1900. Peat Pond, Newport, R. I.

Mammals in Formalin. 81

4556. Mus musculus. ♀ juv. Peat Pond,
Newport, R. I., July 3, 1900. Caught in marsh.

4557. Microtus pennsylvanicus Ord. ♀ juv.
Newport, R. I., July 7, 1900. Caught
amongst very tall sedges in a swamp on
the highest ground, near the King house.

4558. Peromyscus leucopus novaboracensis. ♂ ad.
Peat Pond, Newport, R. I., July 8, 1900.

4559. Mus musculus. ♂ ad. Fort Adams, R. I.

4560. Microtus pennsylvanicus. ♂ juv.
H.A. Adams, R. I. July 17, 1900. In formalin.

4561. Microtus pennsylvanicus. ♀ juv.
H.A. Adams, R. I. July 18, 1900. In formalin.

4563. Microtus pennsylvanicus
Seen running in short grass near my house
at H.A. Adams, R. I., July 21, 1900; caught
and taken alive to taxidermist to be
mounted for Newport Natural History Society.

4562. Batrina brevicauda. ♂ ad. Ft. Adams, R. I.
July 22, 1900. Length, 124; tail vertebrae, 23;
hind foot, 15 mm. In formalin.

4563. Microtus pennsylvanicus ♀ juv.
15239. Fort Adams, R. I. July 15, 1900. Skull only.
Chepachet, Providence Co., Rhode Island.
Sept. 1, 1900.

4564. Mus decumanus ♂ juv.
Length, 267 mm.; tail vertebrae, 106; hind
foot, 34.

4565. Vulpes fulvus. Skull found in tree near trapper's house Sept. 1, 1900.

Sept. 2, 1900. Chepachet, R. I.

4566. Mephitis mephitis. Skull found at entrance of burrow, Sept. 2, 1900.

4567. Blarina brevicauda. ♂ ad. Edge of Chepachet River. 131; 31; hairs, 136; head, 29; hind foot, 15.5 mm.

4568. Vulpes fulvus. ♀ juv. Length, 1010 mm; tail vert., 385; tail hairs, 450; tip of nose to eye, 69; angle of mouth, 80; occiput 157; hind foot, 155; ear above crown, 95; above notch, 85. Trapped in a sand wallow.

4569. Mephitis mephitis. ♀ juv. Length, 550; tail vert., 225; hind foot, 64 mm.

4570. Eretonys gapperi ♀ ad. Length, 149; tail vert., 42; tail hairs, 48; hind foot, 18; head, 28; ear crown, 9; ear notch, 14 mm.

4571. Eretonys gapperi ♀ ad. Length, 144; tail vert., 42; hairs, 48; hind foot, 18; head, 27; ear crown, 9; ear notch, 14 mm. (Contained five features about the size of No. 4 shot.)

4572. Eretonys gapperi ♀ juv. Second pelage. just coming in. 118 mm.; 33 pt 7.

4573. Eretonys gapperi ♂ ad. 155 mm.; 47; 54; 20; 30.5; 9; 14.

4574. Eretonys gapperi ♂ ad. 148 mm.; 45; 51; 20; 29; 10; 15.

4575. Vulpes fulvus } Skulls taken from near
4576. " " } house. Killed in 1899.

Sept. 3, Chepachet, R. I.

4577. Peromyscus leucopus novaboracensis. ♀ juv. Preserved in formalin.

4578. Peromyscus leucopus novaboracensis ♂ ad. Preserved in formalin. Length, 177; tail vert., 84; hind foot, 20; ear crown, 13; ear notch, 16 mm.

4579. Evolomys gapperi. ♂ ad. 140 mm.; 42; 46; 19; 29; 9.5; 13.

Sept. 4, 1900. Chepachet, R. I.

4580. Lasiurus borealis. ♂ ad. Length, 105; alar expanse, 295; longest finger, 76; head, 16; tail vert., 45.

4581. Peromyscus leucopus novaboracensis ♂ ad. 185; 88; 93; 20.2; ear crown, 14; notch, 16. Head mutilated. Preserved in formalin.

Sept. 5, 1900. Chepachet, R. I.

4582. Urocyon fumens Miller. ♀ ad. 120; 48; 52; head, 23.5; hind foot 13.7; ear above crown, 4 mm. Caught under roots in cedar swamp.

4583. Eretonys gapperi ♂ ad. 150 mm.; 42.5; 47; head, 29; hind foot, 19; ear crown, 10; ear notch, 14. Preserved in formalin. Old adult.

4584. Eretonys gapperi ♂ yg. ad. 141; 43; 49; 27; 20; 9; 13 mm. Preserved in formalin.

4585. Eretonys gapperi ♀ immaturae. In formalin. "

4586. " " ♂ juv. "

4587. Peromyscus leucopus novaboracensis ♀ ad. Cedar Swamp. Length, 181; tail vert. ⁸²; hairs, 88; hind foot, 21; head, 30; ear crown, 13; ear notch, 17.5 mm. Preserved in formalin.

84 (Chepachet, R. I.-Sept. 5, 1900-Concluded.)

4588. Peromyscus leucopus novaboracensis ♂ ad. Culvert under road. 175; 81; 86; 20.5; 29; 13; 16.5 mm. in formalin.

4589. Peromyscus leucopus novaboracensis ♀ ad. 186 mm.; 88; 93.5; 20.5; 31; 13; 17. Contained large testes.

4590. Peromyscus leucopus novaboracensis ♂ ad. 175 mm; 79; 21; 29; 13; 16.5. End of tail skinned by trap.

4591. Tamias striatus lysteri ♀ ad. 236 mm.; 90; 111; 34; 43; 10; 17; Mamæ. 4 pairs.

4592. Tamias striatus lysteri ♂ ad. 241 mm.; 97; 118; 34; 44; 10.5; 19.

4593. Sciurus hudsonicus loquax ♀ ad. 320 mm.; 135; 186; 49; 50; 15; 25.

4594. Sciurus hudsonicus loquax ♀ ad. 318 mm.; 136; 185; 49.5; 52; 14; 24.

4595. Fiber zibethicus ♀ ad. 600 mm.; 266; 272; 87; 79; 15; 22; tail width, 21.

4596. Fiber zibethicus ♂ juv. 450 mm.; 215; 77. #

Chepachet P. O., Providence Co., R. I. Sept. 6, 1900.

4597. Blarina brevicauda ♀ ad.

L. 124; tail vert, 28; to end of hairs, 34; hind foot, 15; head, 31 mm. Bank of Chepachet River, in woods.

Chepachet Sept. 7, 1900.

4598. Peromyscus leucopus novaboracensis ♀ juv. Length, 152; tail vert, 70; hind foot, 21; ear crown, 12.5

4599. Peromyscus leucopus novaboracensis ♀ ad. 193; 84; 91; 21; ear crown, 14; head unnotated; preserved in formalin.

4600. Blarina brevicauda, ♀ ad. 125; 28; 35;

hind foot, 15; head, 29 mm. in formalin. ^{Metal tag No. 3714?} 85

4601. Blarina brevicauda, ♀ ad. 125; 30; 35; hind foot, 15; head, 29 mm.

4602. Vulpes fulva) Skins off face & troffed

4603 " " " by Mr. Reuben J. Brown at Chepachet, R. I., in 1899.

4604 " " "

4605 " " "

4606 " " "

4607 " " "

4608 " " "

4609 " " "

4610 " " "

4611 " " " Chepachet, R. I. Aug. 24,

1900 Trapped by Mr. Reuben J. Brown.

4612. Fiber zibethicus. - in Mandibles and parts of skeleton found at Chepachet, R. I., Sept. 7, 1900.

4613. Vesperomys suscus. ♀ ad. Sept. 7, 1900

L. 113; alar exp., 310; longest finger, 74; tail, 43; head, 21; ear crown, 11 mm.

4614. Lasiurus borealis ♂ Length, 97;

alar exp., 290; longest finger, 78; tail, 44; head, 16; ear crown, 5; in formalin, ^{part}.

P. reunic. - Reuben J. Brown tells me that he found 60-70 years ago a bear in Gloucester, Youngly, ^{by} Brown; it was suffused with

flax and hidden in the house of Oney Brown's wife, Deborah, until 25 years ago, when last seen by Mr. R. J. Brown.

4615. Peromyscus leucopus novaboracensis. ♀ imm.

Chepachet, R. I. Sept. 8, 1900. Preserved in formalin. Head unnotated

86 C. I. Bishop, R. I. Sept. 8, 1900.

4616. Peromyscus leucopus novaboracensis. ♀ ad.
Moulted in troph. Preserved in formalin.

4617. Blarina brevicauda ♀ ad. 123; 27; 32;
hind foot, 15; 28 mm.

Fort Adams, R. I. Oct. 24, 1900.

4618. Blarina brevicauda. ♀ ad. Length, 122;
tail vertebræ, 27; head, 29; hind foot, 15.2.
Preserved in formalin.

Lake Cottage, on Lake Worden,
N. Kingston R. I. Nov. 27th, 1900.

4619. Lepus am. virginianus im. ~~♂~~ Sent to
Mr. James M. Southwick for R. P. Mus.
Molted. Made up in skin. Arnold Knowles' R.
Near head of Annaquatick River, town of North Kingston.
R. I. Nov. 22, 1900.

4620. Erethomys gapperi. ♂ imm. 125; 35; 19 mm

4621. Microtus musculus. ♂, 155; 72; 19 "

4622. Blarina brevicauda, ♂ ad. 124; 27; head,
36 (very long pencil); hind foot, 14; head, 29.

4623. Microtus pennsylvanicus. ♀ imm. 150; 40; 21

4624. Peromyscus leucopus? ♀ ad. Very big one!
205; 97; 102; 22; ear cr 12; 17; head, 30.5

4625. Peromyscus l. novaboracensis. ♀ juv. 155; 71; 21.

4626. " " " ♂ can. 177; 82; 87;
20.5; ear cr. 13; notch, 16.; head, 30 mm.

4627. Peromyscus l. novaboracensis. ♀ ad. 193; 89;
94; 20.5; ear cr. 12; notch, 17; head, 30.5 mm.

4628. P. l. novaboracensis. ♂ imm. 161; 74; 21 mm.

4629. P. l. novaboracensis. ♀ juv. 160; 69; 20.

4630. P. l. " " ♂ imm. 155; 71; 20.

South Kingston, R. I. Nov. 23, 1900.

4631. Erethomys gapperi ♀ ad.

148; 41; 47; 18.5; ear crown, 9; notch, 14; head, 28.5.

4632. Microtus pennsylvanicus. ♀ ad. 171; 47; 52;
hind foot, 21.5; ear crown, 8; notch, 13; head, 34.

4633. Microtus pennsylvanicus. ♀ juv. 141; 40; 21.1 mm

4634. " " " ♀ juv. 134; 40; 20.9 "

4635. Peromyscus l. novaboracensis. ♀ juv. 152; 69; 20 mm.

4636. " " " ♂ ad. 172; 82; 87; h. ft. 20
ear crown, 12.5; ear notch, 16; head, 29.

4637. Peromyscus l. novaboracensis. ♀ ad. 185; 86; 91; hind
foot 21.5; ear crown 13; notch, 16.5; head, 29.5.

4638. Peromyscus novaboracensis ♂ ad. Sent to Mr.

James M. Southwick to be mounted for
the Museum of Natural History, Roger Williams

Parc, Providence, R. I. ~~Not yet mounted~~
375; 123; 168; 46; 12; 22; head, 55

4639. Erethomys gapperi ♀ ad. ~~do~~ (Mounted.)
129; 33; 41; 18; ear cr. 9; notch, 14; head, 27.5.

4640. " " " 14"; 9 ~~ad~~ (Skin) 120; 33; 40; 9; 14"; 18; 27

4641. Peromyscus leucopus novaboracensis. ♀ ad. 169;
77; 81; 72; ear notch, 16; hind foot, 20; head, 29.

4642. Sciurus hudsonicus loquax. ♂ ad. Tail de-
fective. Hind foot, 46; ear from crown, 13; ear
from notch, 22; head, 50 mm.

4643. Lepus sylvaticus transitionis ♂ imm.

345; 32; 53; h. f. 90; ear cr. 57; notch 53
head, 73 mm. Tail defective.

4644. Sciurus carolinensis leucotis. ♀ ad. 483; 225;
310; h. ft., 71; ear cr. 22; notch, 31; head, 68.

4645. S. c. leucotis. ♀ imm. Progeny of no. 4644. Parent and
2 young shot in leaf nest. 425; 200; h. f. 69; head, 64.

4646. S. c. leucotis. ♀ imm. 443; 240; 69; 64 mm.

88 South Kingston, R.I. Nov. 25, 1900.

4647. Sorex personatus. ♂ ad. 102; 42; 48;
h.l. 12.5; ear crown, 3.1; ear notch, 7; head, 21 mm.
4648. Eretonys gapperi. ♀ im. 121; 30; h.f., 18 mm.
4649. Peromyscus l. novaboracensis. ♂ ad. 171; 79; 84;
h.l. 21; ear cr. 12; notch, 15; head, 29.5.
4650. Peromyscus l. novaboracensis. ♂ juv. 150; 63; 20.
4651. " " " ♂ ad. 175; 79; 84.5;
20; 12; 15; 29 mm.
4652. Dipus ludovicianus loguax. ♀ ad. Tail defective.
hind foot, 48; head, 51 mm.

South Kingston, R.I. Nov. 26, 1900.

4653. Peromyscus novaboracensis ♂ ad. 400; 136;
124; h.f., 49; ear crown, 13; notch, 24; head, 58. Old.
4654. Eretonys gapperi. ♀ ad. 126; 32; 39; h.f.,
19; ear crown, 9; notch, 13; head, 26 mm.
4655. Peromyscus l. novaboracensis ♂ ad. 193; 88; 92;
h.f., 21; ear crown, 13; notch, 17; head, 30.5.
4656. P. l. novaboracensis. ♀ im. 157; 71; 20; 28.

South Kingston, R.I. Nov. 27, 1900.

4657. Eretonys gapperi. ♀ 124; 35; 41; 18; 8; 12; 27.
4658. Blarina brevicauda. ♀ ad. 119; 25; 32; 14.5; head, 28.

South Kingston, R.I. Nov. 28, 1900.

4659. Sorex personatus. ♂ ad. Mounted by Berthold
105; 46; 53; h.f., 12.6; ear cr., 3.2; ear notch, 7.1; head 19.5.
4660. Sorex personatus. ♀ ad. Mounted by Berthold
97; 39; 45; h.f., 12; ear cr., 3; ear notch, 6.9; head 20.

89 Lake Cottage on Little Worden,
South Kingston, R.I., Nov. 28, 1900.

4661. Peromyscus leucopus novaboracensis ♀ ad.
15.7; 71; 76; 20; 13; 16; 28.
4662. Microtus pennsylvanicus. ♀ ad.
145; 39; 45; 20; 7; 12.2; 30. Killed
in marsh hay beside Worden Pond.

Lake Worden, R.I. Dec. 2, 1900.

4663. Fiber zibethicus ♂ ad. John Knowles
found the foot of this individual in his
trap a few days ago, and the animal
found dead in Mill Brook to-day.
Weight 3 lbs.
605. 280; 288; width of tail, 22; hind foot,
85; head, 76; ear crown, 15; notch, 22 mm.
4664. Blarina brevicauda. ♀ ad. 121; 28; 36
hind foot, 14; head, 28 mm.
4665. Sorex personatus. ♀ ad. 99; 40; 46; 11.8;
20.5.
4666. Microtus pennsylvanicus. ♀ juv. 147; 44; 22.
4667. Peromyscus l. novaboracensis. ♀ ad. 166; 74;
79; hind foot, 21; 18; 16; 29.

The following was mailed to me from
Chequamegon, R.I. by J. Irving Hall.
4668. Peromyscus l. novaboracensis ♀ ad.
194; 85; 91; h.f., 22; 13; 16; 30.

Lake Worden, R.I. Dec. 4, 1900.

4669. Sorex personatus ♂ ad. 105; 43; 50; 13.1;
head, 22; ear crown, 4.5; above notch, 7.2 mm.
4670. Sorex personatus. ♀ ad. 100; 41; 44; hind
foot, 18; head, 20; ear crown, 4.5; notch, 7.

Lake Worden - Dec. 4, 1900 - (Concluded.)

4671. Peromyscus l. novaboracensis. ♀ ad. 171; 78;
82; 21; 13; 17 mm.
4672. P. l. novaboracensis. ♂ ad. 180; 83; 87;
22; 30; 11; 15.5 mm.
4673. P. l. novaboracensis. ♀ ad. 170; 75; 80; 21;
30; 12; 15.
4674. P. l. novaboracensis. ♂ imm. 160; 73; 20.5.

Lake Worden. Dec. 5, 1900.

4675. Sorex personatus ♀ ad. 100; 43; 48; hind
foot, 12.3; head, 21; ear crown, 4; ear notch, 7.
4676. Blarina brevicauda ♀ ad. 120; 26; 30; hind
foot, 14.5; head, 27.
4677. Microtus pennsylvanicus. ♀ ad. 157; 40;
47; 21; 31; 8.2; 12.2.
4678. M. penn. ♀ ad. 167; 43; 50; 21; 32; 9; 13.
4679. M. penn. ♀ ad. 153; 43; 48; 20; 31; 9.12.
4680. Peromyscus l. novaboracensis. ♀ ad. 172; 82;
87; 21; 29; 11.6; 15;
4681. P. l. novaboracensis. ♀ ad. 170; 73; 78; 21;
30; 12; 16.
4682. P. l. novaboracensis. ♀ ad. 156; 67; 72;
20; 28; 11; 15
4683. P. l. novaboracensis. ♀ imm. 160; 72; 21
4684. P. l. novaboracensis. ♀ juv. 150; 68; 20.

Lake Worden, R.I. Dec. 6, 1900.

4685. Sorex personatus. ♀ ad. 98; 38; 44;
12.2; 20.5; 4.2; 6.5 mm.
4686. Peromyscus l. novaboracensis. ♀ ad. 162; 71; 76;
21; 29; 12; 15.5 mm.

4687. Peromyscus leucopus novaboracensis. ♂ ad. 91;
171; 75; 80; 21.4; 29.5; 11.3; 15 mm.
4688. Microtus pennsylvanicus. ♀ ad. 153; 44; 49;
21.5; 30; 8.5; 13 mm.
4689. Microtus pennsylvanicus. ♀ ad. 171; 46; 52;
21; 32; 8.3; 13 mm.
- 4704 4705 4690. Sciurus hudsonicus loquax ♀ ad. Tail (defective?)
Hind foot, 48; head, 50; ear crown, 14; notch, 22.
4691. Sciurus hudsonicus loquax ♀ ad. 310;
128; 175; 5.0; 5.2; 14; 22.
- Lake Worden, Dec. 7, 1900.
4692. Sciurus h. loquax. ♂ ad. Head and
body, 185 (tail defective, with round nub on its end);
hind foot, 48; head, 51; ear crown, 15; notch 23.
4693. Blarina brevicauda ♀ 113; 24; 31; head, 28;
hind foot, 15.
4694. Mus musculus ♀ imm. Caught in stone-wall
12.9; tail vertebral, 60; hind foot, 17.
4695. Peromyscus leucopus novaboracensis ♂ ad.
169; 75; 80; 20; 28; 14; 17 mm.
4696. P. l. novaboracensis. ♀ ad. 185; 85; 90;
20.5; 30; 11.5; 16 mm.
4697. P. l. novaboracensis. ♀ ad. 185; 85; 90;
21; 29; 13; 16.5 mm.
4698. P. l. novaboracensis. ♀ imm. 151; 66; 20.6.
4699. Microtus pennsylvanicus. ♀ ad. 149; 38;
45; 21.2; 130.5; 8; 13.
4700. Microtus pennsylvanicus. ♀ ad. 167; 43;
58; 20.5; 31; 8; 13.
4701. Microtus pennsylvanicus. ♀ imm. 146; 38; 44;
20; 30; 8; 12.2.
4702. Microtus pennsylvanicus. ♀ 145; 39; 45;
21; 30; 8; 12.5 mm.

92. 4703. Microtus pennsylvanicus. ♀ 146; 38;
53; 21; 30; 7.5; 12 mm.
4704. Mus decumanus ♂ ad. 400; 190;
194; 41; 57; ear crown, 13; notch, 20. In house.

Lake Warden, R.I. Dec. 8, 1900.

4705. Sorex personatus. ♀ ad. 101; 43; 49;
12.6; 20.5; 4.7.

4706. Blarina brevicauda ♀
114; 24; 30; 14; 27.5.

4707. Mus musculus, ♂
161; 77; 81; 19.5; 24; 10.5; 13.

4708. Microtus pennsylvanicus ♂
150; 39; 45; 21; 31; 8; 12.

4709. Microtus pennsylvanicus ♀
146; 40; 46; 21; 30; 8; 12.

4710. Peromyscus leucopus novaboracensis ♂.
160; 70; 74; 21; 28; 11; 15.

4711. P. l. novaboracensis ♂.
160; 74; 78; 20.5; 29; 12 1/2.

4712. Fiber zibethicus, ♂ ad. 608; 286; 292;
tail width, 23; 86; 76; 15; 23 mm.

4713. Fiber zibethicus, ♂ 580; 270; 278;
width, 22; 84; 75; 15; 23 mm.

Lake Warden, R.I. Dec. 9, 1900.

4714. Sorex personatus, ♂ ad.
106; 41; 45; 12.5; 20.5; 3.8; 6.8.

4715. Blarina brevicauda, ♂ ad.
121; 28; 34; 15; 28.

4716. Lepus Sylvaticus transitionalis ♂ ad.
430; 73; 100; 100; ear crown, 73; notch, 59; head, 85 mm.

4717. Sciurus hudsonicus loquax, ♂ ad. 33
318; 126; 174; 49; 52; 15.5; 2.3.
4718. Microtus pennsylvanicus ♂
154; 38; 45; 21; 31.5; 7.5; 12.
4719. Microtus pennsylvanicus, ♀
158; 40; 46; 22; 32; 8; 13.
4720. Peromyscus leucopus novaboracensis, ♀ ad.
176; 77; 82; 20.5; 29.5; 12; 16.
4721. P. l. novaboracensis, ♂.
163; 73; 77; 20; 28.5; 11; 15.
4722. P. l. novaboracensis, ♀ juv.
145; 62; 20.
4723. P. l. novaboracensis, ♀ imm.
158; 65; 20.
4725. P. l. novaboracensis, ♂ ad.
182; 86; 91; 22.2; 30; 12; 16.

Lake Warden, R.I. Dec. 10, 1900.

4725. Lepus floridanus transitionalis, ♀ ad.
425; 70; 98; h. t., 102; e. 71; 58; h. 84 mm.
Caught in pitch pine grove in "climax" trap. Weight $2\frac{5}{8}$ lbs.

4726. Sorex personatus, ♀ ad. 98; 40; 46; 12.2;
20.6; 4; 6.8 mm.

4727. Sorex personatus, ♀ ad. 100; 42; 48; 12.6;
29.7; 4; 6.9 mm.

4728. Sciurus hudsonicus loquax, ♀ ad.
320; 138; 183; 49; 51; 14; 2.2.

4829. Microtus pennsylvanicus, ♀ ad. 171; 49;
57; 21.5; 34; 8; 13; 20; 30; 7; 11.

4830. Microtus pennsylvanicus, ♀ imm.

4831. Peromyscus leucopus novaboracensis,
♂ ad. 171; 76; 82; 21; 29.5; 12; 16.

94 Lake Warden, R. I., Dec. 10, 1900 — Continued.

4832. Peromyscus leucopus novaboracensis. ♀ ad.
179; 80; 86; 21; 30; 13; 16
4833. Peromyscus leucopus novaboracensis ♀ ad.
175; 78; 84; 20; 29; 11; 15 mm.
4834. Peromyscus leucopus novaboracensis ♀ ad.
177; 77; 82; 20; 28.5; 11; 15 mm.

Lake Warden, R. I. Dec. 11, 1900.

4835. Eretonys gapperi ♂ ad. 138; 38; 44;
28; 28; 8; 11.5.
4836. Peromyscus leucopus novaboracensis ♀ ad
157; 69; 73; 20.5; 27; 11; 15.
4837. P. l. novaboracensis. ♀ ad.
173; 71; 76; 21; 28; 12; 16 mm.

Lake Warden, R. I. Dec. 12, 1900.

4838. Dorcy personatus ♀ ad
102; 41; 47; 12.7; 22; 4; 6.8 mm.
4839. Blarina brevicauda ♂ ad.
17; 25; 32; 15; 28
4840. Microtus musculus ♂ imm.
137; 60; 64; 17; 21.5; 4; 12.

4841. Oreamnos hudsonicus Cognat. ♀ ad.
300; 119; 172; 47; 50; 12; 21 mm.
4842. Peromyscus leucopus novaboracensis ♀

165; 69; 74; 21; 29; 12; 17.

4843. P. l. novaboracensis ♂ ad.
163; 74; 79; 20; 29; 12; 17.
4844. P. l. novaboracensis ♂
159; 66; 5.5; 21; 29; 12; 16.

4845. P. l. novaboracensis ♂ ad.
168; 70; 75; 21; 30; 12; 16.
4846. P. l. novaboracensis ♀ juv.
150; 64; 21.
4847. P. l. novaboracensis ♀ juv.
160; 69; 74; 20.5; 29; 12; 16.
4848. P. l. novaboracensis ♂
167; 75; 80; 21; 29; 11; 15.
4849. Eretonys gapperi ♀
121; 31; 36; 19; 26; 8; 12.5.

4850. Lepus americanus virginianus ♂ End h. l. 180
478; 58; 93; 135; 87; 92; 75.
December 12, 1900. Shot in the Great Swamp

4750. Lepus americanus ♂ ad. End h. legs 750
Dec. 10. 485; 67; 95; 144; 90; e. cr. 96; weight 82
3½ lbs. Sent to Critchley to be mounted for Roger Williams Park Mus.
4752. Lepus americanus ♂ ad. End hind legs, 730;
Dec. 10. 490; 60; 90; head, 136; 98; 94; 80.
This and above (4751) weighed 3½ pounds apiece.
4753. Lepus americanus, ♀ ad. End hind legs, 750
Dec. 10. 495; 55; 90; 143; head, 90; 87; 77
Weight 4 pounds.

4754. Lepus americanus, ♂ ad. End hind legs, 730
Dec. 10. 480; 60; 97; 136; 90; 89; 75.
The above four Varying Hares were snared
in the Indian Cedar Swamp, Charleston, R. I.
Three adults weighed 11 pounds, Avondale.

4755. Lepus americanus, ♂ juv.
440; tail, 60; head, 89. Eexter,
R. I. December 10, 1900.

90 Lake Warden, R. I. Dec. 13, 1900.

4756. Erethomys gapperi ♂ ad. 135; 36; 44
19; 27; 8; 12.5. Sent to Cretchley for monograph.
4757. Sorex personatus ad. 100; 40; 46; 12.6;
20.5; 40; 6.8.
4758. Microtus pennsylvanicus ♀ juv. 137; 23; 30;
20; 28; 7; 12.
4759. Microtus pennsylvanicus ♀ ad. 140; 35; 42
20; 29; 8; 12.
4760. Peromyscus leucopus novaboraceensis ♂ ad.
162; 69; 74; 20.5; 28.5; 10; 15.
4761. P. l. novaboraceensis ♀ ad.
168; 70; 75; 20; 28; 11.5; 16 mm.
4762. P. l. novaboraceensis ♀ ad.
166; 72; 77; 20; 28; 12; 16 mm.
4763. Sciurus hudsonicus loguax ♂ ad.
302; 125; 168; 50; 51; 14; 22.
4764. Lepus sylvaticus transitionis ♂ ad.
410; 62; 94; h. 98; head, 83; ear cr., 63; 55.

Lake Warden, R. I., Dec. 14, 1900.

4765. Sorex personatus ♀ ad. 97; 39; 46;
12; 19.5; 3.7; 6.6.
4766. Putorius novaboraceensis. ♂ ad. 390;
135; 73; 46; 57; 12; 24.
4767. Erethomys gapperi ♀ ad. 147; 39; 45;
19; 29; 9; 13.
4768. Erethomys gapperi ♂ juv.
122; 29; 17.5 mm.
4769. Erethomys gapperi ♂ juv.
120; 29; 17.5 mm.

4770. Microtus pennsylvanicus ♀ juv. 97
142; 37; h. 20.7
4771. Peromyscus leucopus novaboraceensis ♀
163; 73; 78; 21; 28.5; 11; 15.
4772. P. l. novaboraceensis ♂
156; 70; 75; 21.5; 28; 11.5; 15.5.
4773. P. l. novaboraceensis ♀ ad.
185; 78; 83; 21; 29.3; 12; 16.
4774. P. l. novaboraceensis ♂ ad.
188; 77; 82; 21; 29; 12; 16.
4775. P. l. novaboraceensis ♀ ad.
160; 70; 75; 20; 28; 11.5; 15.5.
4776. P. l. novaboraceensis ♀ ad.
173; 76; 81; 21; 29.5; 11; 15.
4777. P. l. novaboraceensis ♂ ad.
175; 80; 85; 21; 28.5; 12; 16.
4778. P. l. novaboraceensis ♂ ad.
174; 81; 86; 21.5; 29.5; 12; 16.3.
4779. P. l. novaboraceensis ♀ ad.
156; 70; 75; 20; 28; 11; 15.
4780. P. l. novaboraceensis ♀ ad.
168; 75; 80; 21; 28.5; 11; 15.
4781. P. l. novaboraceensis ♀ ad.
164; 75; 80; 21; 28; 11.5; 15.5.
4782. P. l. novaboraceensis ♂ ad.
185; 85; 90; 20; 29; 12; 16.
4783. P. l. novaboraceensis ♂ ad.
177; 78; 83; 21; 29; 12; 16.
4784. P. l. novaboraceensis ♂ ad.
170; 89; 94; 20; 28; 12; 15.
4785. P. l. novaboraceensis ♂ ad.
160; 67; 72; 20; 28; 12; 16.

98 Lake Worden R. I. Dec. 6, 1900.

4786. Lutreola vison lutreocapitalis ♂ ad.
Trapped by Mr. Whaley. Sent to
J. William Critchley, to be mounted
for the Natural History Museum at
Roger Williams Park, Providence.
Killed on Point Judith Salt Pond, Wash. Co. R. I.

Lake Worden R. I. Dec. 15, 1900.

4787. Sorex personatus ♀ ad.
95; 35; 41; 11.7; 19.3; 3.7; 6.6.
4788. Blarina brevicauda ♀ ad. Skull
only.
4789. Blarina brevicauda ♀ ad.
115; 22; 28; 14.2; 26.
4790. Blarina brevicauda. ♀ ad.
115; 22; 30; 14; 24.
4791. Erethomys gapperi ♂ ad.
128; 33; 39; 18.5; 26.5; 8.5; 13.
4792. Erethomys gapperi ♀ ad.
130; 36; 43; 18.5; 27; 8; 12.
4793. Promys leucopus novaboracensis ♀
171; 74; 79; 21; 30; 12; 16.
4794. P. l. novaboracensis ♂ im.
157; 70; 75; 20; 28.5; 11; 15.
4795. P. l. novaboracensis. ♀ ad.
155; 70; 75; 27; 11; 15.
4796. P. l. novaboracensis. ♀ ad.
170; 79; 84; 21; 29; 12; 16.
4797. P. l. novaboracensis. ♀
162; 72; 77; 19.5; 27.5; 11; 15.

The two following were snared
in Indian Cedar Swamp, Charleston,
R. I., December 9, 1900:

4798. Lepus floridanus transitionalis ♂ ad.
395; 58; 85; 96; 79; 62; 56.
4799. Lepus floridanus transitionalis ♂ ad.
420; 58; 85; 97; 83; 70; 59.

The eight following were shot at
Exeter, R. I., December 10, 1900:

4800. Lepus sylvaticus transitionalis ♀ ad.
448; 63; 85; 98; 80; 66; 56.
4801. Lepus sylvaticus transitionalis ♂ ad.
390; 59; 88; 96; 76; 70; 59.
4802. Lepus floridanus transitionalis ♂ ad.
410; 61; 90; 95; 78; 65; 58. (74);
4803. Lepus floridanus transitionalis ♂ ad.
395; 63; 90; 77; 69; 59.
4804. Lepus floridanus transitionalis ♂ ad.
420; 65; 98; 97; 78; 62;
4805. Lepus floridanus transitionalis ♀ ad.
420; 58; 81; 98; 85; 68; 57.
4806. Lepus floridanus transitionalis ♀ ad.
410; 65; 95; 95; 74; 65; 57.
4807. Lepus floridanus transitionalis ♂ ad.
395; 60; 90; 88; 80; 61; 52.

Lake Worden, R. I. Dec. 16, 1900.

4808. Sorex personatus ♀ ad.
95; 37; 43; 12; 20; 3.7; 6.7.
4809. Blarina brevicauda. ♀ ad.
112; 28; 31; 14; 27 mm.

Mormoops

A Bat of the genus Chilonycetes,
new to the United States, was collected
last winter at Fort Clark, Texas.

Ask Mr. Miller to identify or describe
it as new. (See note in Proc. Biolog. Soc. Wash.)

(Lake Worden, R. I., Dec. 16, 1900 - Continued)

4810. Erotomys gapperi. ♀ imm.
125; 32; 38; 18; 27; 8; 12.5.

4811. Microtus pennsylvanicus. ♀ ad.
169; 50; 56; 22.5; 33.5; 9; 13.

4812. Microtus pennsylvanicus. ♂ ad.
174; 51; 60; 22; 32; 8.5; 12.5.

4813. Peromyscus leucopus novaboracensis ♂ ad.
174; 79; 84; 21; 30; 13; 16.

4814. P. l. novaboracensis. ♂ ad.
175; 81; 86.5; 21.3; 28.5; 12; 16.

4815. P. l. novaboracensis. ♂ ad.
170; 74; 79; 21; 30; 12; 16.

4816. P. l. novaboracensis. ♂
167; 74; 79; 21; 28; 10; 13.5.

4817. P. l. novaboracensis. ♂ ad.
174; 75; 80; 21.3; 30.5; 13; 16.

4818. Mus musculus ♀ imm.
139; 68; 71; 16.5;

4819. Mus musculus. ♂
160; 60; 79; 83; 18.2; 23.5; 10; 13.5.

(Mammal notes continued
on page 210.)

11831. Regulus satrapa ♂ ad. Lexington, Ky. Nov. 17, 1898.
11832. Thryothorus ludovicianus ♂ ad. do
11833. Ampelis cedrorum ♂ ad. no wax do
11834. Melanerpes carolinus ♀ ad. do
255; 438; 135; 93; 29.5; 22; 27.5 mm.
Zinus cherry red.
11835. Dryobates villosus ♂ ad Lexington, Ky. Nov. 17, 1898.
285; 386; 119; 82; 32; 21; 22.5 mm.
11836. Dryobates pubescens ♂ ad. do
11837. Spinus tristis (?) ad. do
11838. Ipsilla pusilla ♂ ad. do
144; 213; 67; 67; 10; 18; 17.
11839. Melospiza fasciata ♀ ad. do
161; 213; 65; 70; 14.5; 22.5; 21.
11840. Parus carolinensis ♂ ad. do Nov. 19, 1898.
11841. Sitta carolinensis ♂ ad. do do
11842. Tunco bimaculatus ♂ ad. do do
11843. Panurus ludovicianus ♂ ad. Nov. 21, 1898. Lexington
9 $\frac{1}{4}$; 13; 4; 4 $\frac{3}{16}$; $\frac{5}{8}$; 1 $\frac{1}{16}$; 15 $\frac{1}{16}$.
11844. Melanerpes carolinus ♀ ad. do
9 $\frac{3}{4}$; 16 $\frac{1}{2}$; 5 $\frac{1}{16}$; 3 $\frac{9}{16}$; 1 $\frac{1}{16}$; $\frac{7}{8}$; 15 $\frac{1}{16}$. inches.
11845. Otocoris albispectus ♂ ad. Lexington, Ky. Nov. 30, 1898.
sex?
11846. Otocoris ♂ ad.
7 $\frac{1}{2}$; 13 $\frac{1}{16}$; 4 $\frac{5}{16}$; 3 $\frac{1}{8}$. Lexington, Ky. Nov. 30, 1898.
11847. Otocoris ♂ ad.
Lexington, Ky., November 30, 1898.
11848. Otocoris ♀ ad.
Lexington, Ky. Nov. 30, 1898.
11849. Certhia americana ♂ ad.
Lexington, Ky. Nov. 30, 1898.

11850. Melanerpes carolinus ♂ ad. Lexington, Ky. Dec. 1/98.
11851. Parus bicolor ♂ ad. do.
11852. Dryobates pubescens ♂ ad. do.
11853. Melanerpes carolinus ♀ ad. Nov. 25, 1898. Lexington, Ky. Length, 10; solar expanse, 17 $\frac{3}{8}$; wing, 5 $\frac{1}{2}$; tail, 3 $\frac{9}{16}$; culmen, 1 $\frac{1}{8}$ inches. ^{binoculars}
11854. Scops ♂ ad. & ad. Gray, phasc. Lexington, Ky., Dec. 5, 1898. 9 $\frac{5}{16}$; 23 $\frac{1}{2}$; 6 $\frac{3}{4}$; 3 $\frac{1}{4}$; 7 $\frac{1}{16}$; 1 $\frac{3}{8}$; 1 $\frac{3}{16}$ inches.
11855. Colaptes auratus. ♂ ad. Lexington, Ky. Dec. 5, 1898. 12 $\frac{1}{2}$; 20 $\frac{1}{4}$; 6 $\frac{1}{4}$; 5 $\frac{1}{16}$; 10 $\frac{3}{8}$; 1 $\frac{3}{16}$; 1 $\frac{1}{4}$ inch.
-
11856. Minius polyglottos. ♂ ad. Augusta, Ga. January 1, 1899. 265; 363; 115; 137; 16.3; 34; 28.5 mm.
11857. Pipilo erythrourhynchus. ♀ ad. Augusta, Ga. Jan 1/99. 205; 267; 82; 97; 14; 29; 26. Iris, red.
11858. Cardinalis cardinalis. ♀ ad. Augusta, Ga., Jan. 1, 1899. 217; 304; 93; 104; 17; 25; 24 mm.
11859. Cardinalis cardinalis ♂ ad. Augusta, Ga., Jan. 1, 1899. 220; 308; 95; 107; 19.5; 25; 24 mm.
11860. Melanerpes carolinus. ♂ ad. Augusta, Ga. Jan. 1, 1899. 248; 428; 130; 85; 29; 23; 27.5 mm.
11861. Harporhynchus rufas ♂ ad. Augusta, Ga. Jan 18, 1899. 245; 342; 105; 138; 26; 35; 31 mm.
11862. Merula migratoria ♂ ad. Augusta, Ga. Jan. 18, 1899. 275; 420; 136; 106; 20; 24.5; 22.
11863. Lanius ludovicianus. ♂ ad. Augusta, Ga. Jan. 21, 1899. 238; 327; 103; 108; 17; 27; 23 mm.
11864. Lanius ludovicianus ♀ ad. Augusta, Ga. Jan. 21, 1899. 227; 324; 102; 104; 16.5; 26; 22 mm.

Augusta, Ga. Jan. 21, 1899. 103

11865. Dryobates borealis. ♂ ad. 224; 390; 122; 92; 22; 20; 23 mm.
11866. Dryobates borealis. ♀ ad. 219; 383; 120; 87; broken; 21; 21 mm.
11867. Duyornis phœbe ♀ ad. 174; 275; 85; 73; 14; 19; 15 mm.
11868. Myiotheretes bewickii ♂ ad. 135; 182; 55; 55; 16; 18; 17.3 mm.
11869. Melespiza fasciata ♂ ad. 168; 235; 74; 74; 14; 22; 21.5 mm.
11870. Dendroica virginiae. ♂ ad. 148; 239; 77; 61; 12; 20; 18.7 mm.
11871. Parus bicolor ♀ ad. Augusta, Ga. Jan 23, 1899. 164; 254; 80; 75; 12.2; 20; 19 mm.
11872. Parus bicolor. ♀ ad. do 156; 243; 75; 69; 12; 20; 19 mm.
11873. Parus bicolor. ♀ ad. do 162; 245; 77; 74; 12; 20.5; 19 mm.
11874. Parus bicolor ♀ ad. do 160; 250; 82; 75; 12; 20; 19 mm.
11875. Zonotrichia albicollis. ♂ juv. do 177; 242; 75; 79; 12.5; 23.5; 23 mm.
11876. Zonotrichia albicollis ♂ juv. do 175; 238; 74; 75; 13; 24; 23 mm.
11877. Pusacella iliaca ♀ ad. do 180; 275; 86; 81; 12.8; 23; 22 mm.

*

Hart Adams, Newport Rhode Island.

- 11,878. Merganser serrator (Linnaeus). ♂ ad.
April 20, 1899. Length, 595; alar
expanse, 650; wing, 250; tail, 115;
culmen (chord), 59; longest feather of
crest, 100; tarsus, 48; middle toe
with claw, 67; claw alone, 8.5 mm.
Iris, light brown, this surrounded by
a broad ring of orange-red. Bill, reddish;
mandible and commissural border of
maxilla, orange-red; residue dusky red.
Feet orange-red; webs dusky; nails
yellowish brown.

The following-named species of birds
have been seen here since I arrived, on
February 20th, 1899:

1. Columbus holboellii (Reinb.). — I found
a recently dead one on the ocean beach
May 2, 1899. Several ^{longtime} dredged birds on beach in May.
2. Columbus auritus Linn. — One was
shot February 19, by Doctor Newgarden.
A great many were here during February
and March. In breeding dress in May.
3. Urinator imber (Gunn.). — Loons were
common from February to April, 1899.
4. Larus marinus Linn. — Several seen
February 20, 1899. None since.
5. Larus argentatus mitisornatus Coues.
Abundant during February and March;

- disappeared in April. Flocks May 6th.
6. Larus delawarensis Ord. — Appeared
in April. The Gulls were not observed
so closely, and doubtless other species
may have been seen; and the present may
have been wrongly identified, as small
size was the principle difference from
the American Herring Gulls noted.
 7. Phalacrocorax delphicus (Swainson).
<sup>A species of Cormorant called "Shag"
and "Hag" Gose" said Clarke</sup>
was abundant on Narragansett Bay,
roosting on rock, reefs near Wickford
in great numbers. Many were seen there
April 25th. Seen May 4th.
 8. Merganser americanus (Cass.). — Common
from Febr. 20 to April 25th, on Narragansett.
 9. Merganser serrator (Lin.). — Abundant.
Many that have been killed and thrown
away wash ashore. Several of both sexes,
recently killed, were seen on the beach May 2.
 10. Anas obscura Gmel. — Many Black Ducks
frequent a fresh-water pond on the mainland
west of Dutch Island.
 11. Aythya marila nearctica Stejn. — Common
on Narragansett Bay Febr. 20 to May 1.
 12. Clangula clangula americana Bonap. —
Common during February and March.
 13. Charadrius albeola (Lin.). — Several
pairs seen in April. Common on Narragansett Bay in February and March.

14. Clangula hyemalis (Linn.) — Old-squaws were abundant throughout February, March and April, 1899. Seen in small flocks May 4.
15. Somateria hispida Sharpe. — A few years ago thousands of these ducks frequented Narragansett Bay in winter. I have seen none of them.
16. Oidemia americana Swains. — The Black Scoter was abundant on the Bay during April. All three Scoters were seen April 17, 1899.
17. Oidemia deglandi Bonap. — Abundant from February 20 to April 25, 1899.
18. Oidemia perspicillata. — Abundant on Bay and Ocean during April. Still plentiful April 25th.
19. Branuta canadensis (Linn.). — Flocks heard at night. Dates not recorded.
20. Nycticorax nycticorax naevius (Bodd.). — Heard flying and quawking overhead April 26, 1899, at night. Heard May 26th.
21. Actitis macularia (Linn.). — First pair seen May 2, 1899. Birds commonly.
22. Coturnix virginianus (Linn.). One flock wintered. Heard calling "Bob-white" May 2.
23. Circus hudsonius (Linn.). One seen
24. Falco sparverius Linn. — One seen
25. Percya aleuron (Linn.). Common. First seen

- April . Horus a very long time in one spot. When it catches a fish it flies to a perch and ducks its head downwards in the act of deglutition. Seen May 26th.
26. Lcolaptes auratus (Linn.). — Common during April. None seen during last days of month.
27. Empidonax nivivis Baird. — First seen and heard (one) May 1, 1899.
28. Otocoris alpestris (Linn.). — Horned Larks were often seen on the lawns at Fort Adams during February and March, but none were shot and subspecifically identified.
29. Corvus americanus Aud. — Common from Febr. 20 to May 1, 2. Frequents the shores. No Fish Crows present. Breeding birds May 27.
30. Molothrus ater (Bodd.). — Several seen May 1 to 3. Abundant May 27th.
31. Agelaius phoeniceus (Linn.). — First seen. Abundant late in April and early May. Abundant, breeding May 27.
32. Sturnella magna (Linn.). — Seen occasionally during February and March. Common and singing during April. Breeding May 27th.
33. Colocichla carolinensis (Mall.). — First seen. Abundant soon after.
34. Zenaidus quiscula — Abundant in April & early May. Breeding May 27th. Abundant.
35. Armodramus princeps (Mayn.). Has been taken behind beach sandhills near Newport 2 bars not seen any.

- Dow's Avenue
36. Ammodramus savannarum passerinus (Wils.)
First seen ad heard singing April 22, 1899.
Common, heard May 4th. Breeding May 27.
37. Spizella monticola (Gmel.). Commonly,
seen in February and March.
38. Spizella socialis (Wils.). - First seen
(one singing) April 26, 1899. Common May 1st.
39. Trochocercus pygmaeus (Linн.). Febr. 20 to May 2.
seen very 7th.
40. Melospiza melodia. - First seen
Rather common May 1st.
41. Tachycineta bicolor (Vieill.). First seen (one)
April 18, 1899. Pair seen May 26.
42. Olivicolor riparia (Linн.). - First seen (one)
Not seen lately (May 27).
43. Chlidon erythrogaster (Bodd.). - In flocks
April 26, when first seen. Abundant
and breeding May 27.
44. Merula migratoria (Linн.). - First seen
Breeds in conifers around C. O's
house at Ft. Adams. Singing in April. Abun-
dant last half of April & early May.
45. Sialia sialis (Linн.). - First heard
singing.
46. Dendroica striata. - Both sexes
common May 26, 1899.
47. Dolichonyx oryzivorus. - Abundant,
singing May 26. Date of arrival not noted.
48. Tachycineta bicolor. - A pair in an
old orchard often perched on a stone wall May 26th.
First seen (one) April 18, 1899.

- 11,879. Dendroica striata ♀ ad. May 26, 1899.
Iris, grayish brown. Bill with maxilla
brownish black, mandible yellow at base
and culmous-black at tip. Toot yellow.
140; 223; 72; 54; 10.8; 20; 15mm.
- 11,880. Thelospiza fasciata ♀ ad. May 26, 1899.
165; 215; 67; 70; 12.6; 22; 20.5mm.
A breeding bird, that had oviposited.
49. Sterna hirundo Linnaeus. - Seen
probably this species in flock May 10.
^{sparsely} Frequently seen and heard to date (May 27).
50. Ardea herodias Linн. - One seen
May 4, 1899. Flying across Narragansett Bay.
51. Cathartes pelagicus (Linн.). - Arrived in
May. One seen May 26th. First arrival not
noted, but date unusually late.
52. Tyrannus tyrannus. - First seen May 17.
Still present, probably breeding, May 27th.
53. Dendroica aestiva. - First seen May 17.
Singing. Abundant May 27. Breeds.
54. Icterus galbula. - First seen May 17.
Breeds. Common May 27.
55. Parpodacus purpureus. - Three seen in
city at Post, May 17.
56. Pooecetes gramineus. - Singing May 7.
One seen May 17.
57. Geothlypis trichas. - One male May 9.
^{This was the first one seen.}
21. Actitis macularia. - Common; breeding.
Commonly alights on board and stone fence.

58. Galeoscoptes carolinensis. - First seen (one that laid in our yard, very tame) May 14. I. b. ad.; nest May, 26.

Note. - The above are all the birds noted at Fort Adams, R. I., from Feb.

20 to May 27, 1899. Land birds scarce.

59. Amplis cedarum. - Small flock at Ft. Adams, May 28, 1899.

Fort Adams, Rhode Island. May 31, 1899.

11, 881. Sterna hirundo. ♂ ad. Iris dark brown. Bill vermilion, dusky, at tip. Legs and feet, orange-vermilion, with claws dusky. 365; 800; 270; 148 (emargination, 61); 36.3; 22; 23 mm. Stomach contained remains of fish. Testicles enlarged.

60. Icteria virens. - Breeding on Rhode Island island, R. I., June 11, 1899, near Ft. Adams.

61. Oclitis macularia. Ft. Adams, R. I. June 18, 1899. One pair had young or eggs beside a lane. One parent would fly, to a board fence and by loud calls try to attract attention. It also alighted on the roof of a shed and on a stone-wall. Often it dropped down in the lane in front of us and tried to induce us to follow it by pretending to be hurt. When we returned later in the day, it resorted to the same tactics. For some time past it had occupied the

board fence for its favorite rostrum. III

Beside a cobblestone beach four young Spotted Sandpipers were seen, accompanied by both parents. One little fellow was not dry yet. Two were caught and put into a fish creel. The little wet one was easily taken but another ran nimblly and, when outrifled, hid among the gray cobblestones. Meanwhile the remaining two little ones had hidden securely! After the children had examined the captured young ones, they were liberated and ran after their parents. The latter were entirely devoid of fear. Before we approached the spot where they were, they were seen from a distance to circle over every passing carriage on the beach drive when it came near.

Sterna hirundo. - Many were seen fishing, and their peculiar cries were constantly heard.

Aegialius phoeniceus. - Young on wing.

Ptytille reparia. - Many Bank Swallows were circling about the ocean beach and meadows.

61. Icterus spurius. - Breeding. Yg male, ^{2d year} singing.

Tyrannus tyrannus. - Breeding.

62. Spinus tristis. - Flock; both sexes; singing. Meadowlarks, Bobolinks, Barn Swallows, Song Sparrows, Aegithias, Cow Blackbirds, Cowbirds, Robins, Catbirds, Baltimore Orioles breeding.

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63. Coccyzus erythrophthalmus. Parent feeding young June 19, 1899. Not common.

Trochilus purpureus. - The first ^{young} ~~first~~ Cerow Blackbird seen on wing was caught by Gillick June 25, 1899, when it was so wet it could not escape. Roads abundant,

11882. Merula migratoria ♂ juv. August 7, 1899. Killed by striking telegraph-wire in flight. Fort Adams, Newport, R.I. In full first plumage, with a few new adult feathers coming in on back and scapulars.

August 16, 1899. Ft. Adams, R.I.

11883. Sturnus hirundo. ♂ juv. Young of the year. 323; 701; 223; 100; 29; 21; 22 mm.

11884. Arenaria interpres. ♀ ad. Iris dark grayish brown; bill plumbrous-black. Legs and feet orange-red, joints dusky; claws plumbrous black. 245; 485; 155; 71; 24; 27; 25 mm.

11885. Arenaria interpres ♀ ad. Colors of soft parts as above. 238; 467; 146; 65; 22; 27.3; 26 mm.

11886. Eremnites pusillus ♂ ad. Iris dark brown. Bill plumbrous-black; legs & feet, plumbrous. 161; 301; 98; 46; 18.6; 22; 20 mm.

11887. Eremnites pusillus ♂ ad. 157; 300; 97; 44; 18; 22; 19 mm.
(This specimen was destroyed.)

11888. Eremnites pusillus ♂ ad.

158; 300; 98; 44; 19; 21; 18 mm.

11889. Eremnites pusillus ♂ ad.

163; 308; 100; 48; 17.5; 22; 19 mm.

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Ft. Adams, R.I. Sept. 2, 1899.

11890. Melospiza fasciata ♀ juv. Caught in "cyclone" mouse trap.

Ft. Adams, R.I. Oct. 15, 1899.

11891. Melospiza fasciata ♂ ad.

171; 223; 68; 77; 13; 21.8; 21 mm.

Ft. Adams, R.I. Oct. 30, 1899.

11892. Passer domesticus. ♂ ad. This bird was in the clutches of a hawk (Ocypiter velox) perched on a clothes-pole in my yard. 165; 250; 80; 65; 12.5; 18; 20 mm.

Ft. Adams, R.I. Nov. 7, 1899.

11893. Melospiza fasciata ♂ ad.

165; 225; 69; 71; cul. 12.2; 21.5; 20 mm.

11894. Otocoris alpestris. ♂ ad.

198; 356; 115; 79; 13; 24; 21.5; h. cl., 14 mm.

Ft. Adams, R.I. Nov. 10, 1899.

11895. Passerina cyanea (Linnaeus). ad.

Tail gone; not measured. All rectrices and some wing-quills were just sprouting. This bird was alone on rocky shore of Narragansett Bay. The first seen this fall. Next seen one Nov. 12, 1899.

Ht. Adams, Rhode Island, Sept. 27, 1899.

Zonotrichia albicollis. - Several seen; the first this fall.
Melospiza swainsoni. - One in my garden; first this fall.
Ht. Adams, Rhode Island. Sept. 29, 1899.
Sturnus hirundo. - One about fish traps on the bay.
 Almost all have departed.

Ht. Adams, Rhode Island. Oct. 1, 1899.

Sturnella magna. - One.
Corvus americanus. - A pair.
Melospiza fasciata. - Several seen.
Ammodramus caudatus. - One.
Dendroica coronata. - Hundreds of them.
Geothlypis trichas. - Two.
Circus hudsonius. - Three.
Accipiter cooperi. - One.
Larus argentatus smithsonianus. - One.
Galeoscoptes carolinensis. - Pair seen.
Merula migratoria. - Several.
Cecropis auratus. - Several.
Ammodramus sandwichensis savanna. - Several.
Astragalinus tristis. - Flock.

Ht. Adams, Newport, R. I. Nov. 5, 1899.

Sturnella magna. - Flock of 20 on saltmarsh.
Dendroica coronata. - At least a dozen seen.
Cecropis auratus. - Several.
Merula migratoria. - A few.
Larus delawarensis. - Three; young and adult.
Otocoris alpestris. - Has lately become abundant.

Ht. Adams, Rhode Island, Nov. 7, 1899. 115

Spizella monticola. - First seen this fall; at least 100.
Dendroica coronata. - Several seen.

Ht. Adams, Rhode Island. Nov. 12, 1899.

Larus delawarensis. - Several seen; both
 young and adult.

Passerina cyanea (Linne). One Snowflake
 seen in post; the second seen this autumn.
Spizella monticola. - Abundant.

Ht. Adams, Rhode Island, Nov. 15, 1899.

Larus delawarensis. - A dozen or more seen.
Falco sparverius. - One female flew from
 one telegraph-pole to another, at last alighting
 on a haystack.

Sturnella magna. - Flock of 24 on saltmarsh.
Merula migratoria. - Two flocks, aggregating
 perhaps 50, feeding on red juniper and
 staghorn sumach.

Cecropis auratus. - One seen.

Spizella monticola. - Abundant.

Ht. Adams, Rhode Island. Nov. 16, 1899.

Otocoris alpestris. - One large flock on parade.
Astragalinus tristis. - Two flying over.

Bromeo hymalis. - Has become very scarce.

Larus argentatus smithsonianus. - Abundant.

Regulus satrapa. - One.

Parus atricapillus. - Several. Has been
 rather common lately.

Ducks are now abundant. Several
 were seen that I thought were
 Canvas-backs.

Minutor niger. - Common; one seen dead.

116 Ft. Adams, Rhode Island, Nov. 21, 1899.

11,896. Falco columbarius ♀ imm.

314; 653; 214; 146; cul. + cere, 19; cere,
5; cul. (chord), 14.5; tarsus, 40; mtc.,
43; m. cl., 13. Stomach contained 3 feet of
Passer domesticus, with bones and meat neatly picked.

Dendroica coronata. - One seen.

Cotaptes auratus. - One.

Corvus americanus. - Pair; same often noted.

Spizella monticola. - Common.

Turinella magna. - Singing.

Astragalinus tristis. - Flocks.

Otocoris alpestris. - Small flocks.

Melospiza fasciata. - One beside house.

Larus argentatus mutuscanus. - Numerous.

Haroldia glacialis. - Old squaws abundant.
Note. - Juncos and Ring-billed

Gulls not seen for several days past.

No Savanna Sparrows for a long time past.

Falco columbarius. - An immature female

has spent several days in an apple orchard except when foraging in the neighboring corral for European Sparrows.

When hungry it was alert & shy; when full of Sparrows sluggish and easily approached. A month ago Pigeon Hawks were frequently seen.

Ft. Adams, R. I. Nov. 23, 1899.

Spinus pinus. - Flock of four, the first seen.

Astragalinus tristis. - Not less than 200 in one flock, that alighted in a marsh to drink.

Ft. Adams, Rhode Island Nov. 24/99. 117

Zonotrichia albicollis. - One in thicket; it flew and watched me set a trap.

Spizella monticola. - Common.

Corvus americanus. - Same pair before noted.

Cotaptes auratus. - One.

Turinella magna. - Singing.

Cremophila alpestris. - Small flocks.

Parus atricapillus. - One pair.

Note. - No Juncos have been seen lately.

Ft. Adams, R. I. Nov. 25, 1899.

Merula migratoria. - Two Robins seen.

Dendroica coronata. - Several in thickets.

Turinella magna. - Large flocks; singing.

Otocoris alpestris. - Small flock on parade.

Corvus americanus. - A pair were chasing a

Buteo borealis that was flying overhead.

Spizella monticola. - Several.

Astragalinus tristis. - One very large flock.

Parus atricapillus. - One pair.

Ft. Adams, Newport, Rhode Island. Nov. 26, 1899.

Merula migratoria. - Four seen.

Dendroica coronata. - Perhaps as many as 100 were seen to-day. In one slant tree 9 were counted. Mostly about thickets.

Colinus virginianus. - One flock of nine, mostly females (throats yellow).

Note. - All of the other species noted yesterday, except Buteo borealis, were seen to-day; also 3 Song Sparrows.

118 (Nov. 26, 1899 - Concluded.)

Vegetation: Though we have had several severe cold snaps the ground is open & several plants still flowering. In sheltered places even a few asters and goldenrods can be seen. May weed, Yarrow, wild carrot and turnip, evening primrose, ^{ox-eye daisy (one),} dandelion, fall dandelion, and a species of buttercup (Ranunculus) are still blooming in several localities. One wild strawberry was found blooming to-day.

Insects: -

House-flies still troublesome. One small yellow butterfly seen to-day.

November 28, 1899.

Among the birds seen both yesterday and to-day were the following:

Spiizella monticola. - Common.
Tachycineta bicolor. - Common.
Spizella breweri. - In flocks; singing.
Troglodytes troglodytes. - One Winter Wren each day.
Melospiza fasciata. - Several; one trapped.
Astragalinus tristis. - Flocks.
Dendroica coronata. - Few.
Colaptes auratus. - One each day.
Merula migratoria. - Several.
Parus atricapillus. - Pair each day.
Junco hyemalis. - None seen lately.

November 29, 1899.

Spent the morning taking up traps on Rhode Island island (near Ft. Adams), and noted all of the birds seen there

(November 29 - Concluded.) 119

yesterday except the Winter Wren. Trapped one Song Sparrow.

11897. Melospiza fasciata ♀ ad.

163; 214; 67; 68; cul., 12.2; tars., 22.3; mtc., 22.

The afternoon was spent setting mammal traps (about 80) on Conanicut Island.

November 30, 1899.

This afternoon Louis and I visited our 80 traps on Conanicut Island, R. I.

Yesterday and to-day the following species of land birds were seen on Conanicut Island:
Megascops asio. - One began to cry before dark, at 4.15 P.M.

Parus atricapillus. - Numerous in swampy thickets.
Spizella monticola. - Common.

Melospiza fasciata. - One or two.

Dendroica coronata. - Common.

Icterus galbula. - A nest seen on the main road between the two ferries, near the centre of Conanicut Island.

Conanicut Island, R. I., Dec. 1, 1899.

11898. Melospiza fasciata ♂ ad.

171; 226; 72; 76; cul., 14; tars., 22; mtc., 21.

Bill large? Markings heavy!

Conanicut Island, R. I., Dec. 3, 1899.

11899. Melospiza fasciata ♂ ad. { Color light. { Size small.

162; 219; 67; 70; cul., 12.5; tars., 23;
middle toe & claw, 21.5 mm. Taken in "cyclone" trap.

120 Notes from Ft. Adams, R. I.

Oct. 6, 1899.

Sterna hirundo. - Several adults. (These were the last seen.)

Oct. 3, 1899.

Oidemia. - First flocks of Scoters appeared on the Bay. Probably all were Oidemia perspicillata.

Oct. 7, 1899.

In the weedy garden I saw Zonotrichia albicollis. - Several.

Spizella socialis. - A few.

Melospiza georgiana. - About six.

Annodramus sandvicensis savanna. - Many.

Actragalinius cristis. - Flocks and individuals.

Pipilo erythrophthalmus. - One female.

In my back-yard were Troglodytes aëdon. - One that has been there for a fortnight.

Hylocichla alclida. - Two; very gentle and quiet. Preferred the oaks to maple trees.

Pipilo erythrophthalmus. - One old male.

Parula (Compsothlypis) americana. - Two; appeared to be very heavy from fat.

Junco bairdii. - Several; the first seen since spring.

Certhia familiaris americana. - One on board fence and telegraph pole.

Phalacrocorax didopterus. - Dec. 2, 1899
five flew north over Ponamint Island at sundown, 4 P.M.

Under the heading "Donations to Museum,"¹²¹ Proceedings of the Newport Natural History Society, Document No. 3, we find:

"A wood duck (mounted) shot near Newport."

"Mr. Charles Hunter, Newport; Seagull shot at Easton's Beach."

"Rev. Father Doyle, Newport; Cormorant (dylophus) (spring plumage) shot at Newport (mounted)."

Newport, R. I. (Second Beach) Dec. 13, 1899.

11900 Uria lomvia. ♂ ad. Found dead; not shot.

Length, 430; alar expanse, 755; wing, 200; tail, 58; cul. from true base, 33; cul. from feathers, 26; cul. from nostril, 26; height of bill at angle, 11; gape, 63; tip of bill to occiput, 100; tip of bill to eye (anterior carina), 64; head of tibia to end longest (middle) claw, 182; tarsus, 38; middle toe and claw 53; middle claw 11 mm.

(afterwards appeared greenish, not grey)
 Iris very dark brown. Bill blue-black, flesh-colored on commissural border of maxilla at base. Tars pale, fleshy, plumbrous; webs somewhat dusky; claws plumbrous-black.

11904. Oidemia deglandi. ♂ ad. White-winged Scoter.

Head and foot preserved in formalin, to preserve colors.

Second Beach, Newport, R. I. Dec. 16, 1899.

11901. Spizella monticola. ♂ ad. 163; 242; 78; 75; 10; 19; 20 mm.

Annodramus principes. - One or two seen among the sandhills, but owing to high wind, and wildness of the birds, none were shot.

Bubo virginianus. - A Great Horned Owl was shot on Conanicut Island November 29, 1899.

Larus marinus. - One seen by the Purser of ferryboat Conanicut, Dec. 3, 1899.

Gallinago delicata. - Two seen on a marsh on Conanicut Island, R. I., by the Purser of ferryboats "Conanicut" and "Beaver-tail" December 3, 1899. None had been seen lately.

Ft. Adams, Newport, R. I. Dec. 23, 1899.

11, 902. Spizella monticola. ♂ ad.

163, 247; 80, 77; 10; 21; 20 mm.

Ft. Adams, Newport, R. I. Dec. 24, 1899.

Phalaenocorax ~~at~~ carbo. - One seen at Agassiz Point.

Uria lomvia. - One swam and dived at the foot a cliff bordering Mr. Hutton's place (Hamrock Cliffs), in Narragansett Bay. It was so near that the black color and white commissural line distinguished it plainly from Uria troilus. It remained under water a long time, on some occasions more than a minute. On rising to the surface it would shake its head and flap its little narrow wings. It was quite unsuspecting.

Ft. Adams, Newport, Rhode Island. 123
December 26, 1899.

Phalaenocorax carbo. - Several seen near Bleak House and Agassiz Point.

Uria lomvia. - Two were seen in high breakers, near shore, which flew when fired at.

Ft. Adams, R. I. Jan. 7, 1900.

Melospiza fasciata. - Still quite common.

Trochocela magna. - Flocks have been about our house daily during past week. Hard to see upon dry grass, even when looking down upon them from a window at a short distance.

Passer tridactyla. - One seen near the fort all the morning. It was quite tame.

Ft. Adams, R. I. Jan. 8, 1900.

Claenula clauula americana. - A female was examined in Newport. It had been shot in Narragansett Bay, together with numerous white-winged scoters and a snow bunting.

Note. - Received March 28, 1899, a box filled with Greater Scaup Ducks and containing, also, one female Pintail, killed on the Toms River, New Jersey.

Ft. Adams, R. I. - 1899.

First Bluebird (♂) Mar. 4, 1899.

First Rusty Grackle (♂) March 27, 1899. (over)

124 Fort Adams, R. I. - 1899.

First Song Sparrows (about 10) March 15, 1899.
Otocoris alpestris. - Still abundant March 28, 1899.
 Bluebirds common March 27, 1899.
 First Robins (3) March 4, 1899.
Zenaidura macroura. - Febr. 21 to March 27, 1899.
 Red-winged and Cow Blackbirds in flocks March 20, 1899.
 Crows, Herring Gulls, American and Red-breasted
 Mergansers, Loons, Horned Grebes, and
 Scaups (3 species) common from my arrival
 (Febr. 20, 1899) to date (March 28, 1899).

Fort Adams, R. I. Jan. 21, 1899.

Coturniculus holboellii (Reinb.). - Louis found
 a dead Grabe on Breton's Cove, Narragansett Bay, R. I., and brought home
 a foot, which measured: tarsus, 61;
 middle toe and claw, 73 mm. The tarsus
 equals the middle toe without claws.
 This foot agrees with the measurement
 of the Crested Grabe given by Coues in the
 first edition of his Key. Louis has the
 foot in his collection.

Fort Adams, R. I. Jan. 23, 1899.

11,903. *Melospiza fasciata*. ♂ ad.

Length, 163; alar expanse, 228; wing, 68;
 tail, 68; culmen (chord), 12.8; tarsus, 21.5;
 middle toe and claw, 21 mm.

Very fat. Song Sparrows have been
 common, often in flocks, this winter.

Fort Adams, R. I. Febr. 17, 1900. 125

- 11,904. *Parus atricapillus* ad. Preserved
 in formalin. U.S.N.M.
 Hanging Rock, Newport, R. I. April 4, 1900.
 11,905. *Melospiza fasciata*. ad. Preserved
 in formalin.

Fort Adams, R. I. May 23, 1900.

- 11,906. *Dendroica striata*. ♀ ad. Preserved in
 formalin.

June 2, 1900.

Visited Hanging Rock, Middletown, R. I.,
 with Louis, who recorded bird notes on
 29 species, all summer residents excepting
 perhaps *Oddenia pectorillata* of which we
 found a flock of five brown birds feeding in
 the surf near Purgatory Rock.

- 11,907. *Dendroica aestiva*. ♂ ad. 138; 209;
 67; 52; culmen from true base, 10.5; bill from
 nostril, 7.7; tarsus, 19; middle toe and claw, 16.5.

- 11,908. *Anisognathus sandwichensis savanna* ♂ ad.

Shot on a stone fence beside the reservoir
 marsh at Middletown. Iris hazel. Bill dark
 brown on upper side of maxilla and tip of
 mandible; sides of maxilla at base and
 all but the tip of mandible, flesh color.
 Tarsi yellowish flesh color; toes and tarsal
 claws light brown; front claws darker brown.
 150; 250; 74; 54; cul, 12; height, 6.1; width of
 bill, 6.1; tarsus, 22.5; middle toe and claw, 21 mm.

126 Ht. Adams, Newport, Rhode Island.
June 16, 1900.

Louis and I spent the day on the salt marshes of Middletown, R. I., bordering the East River, where we saw Common Terns, many breeding pairs of Spotted Sandpipers, and a great many Sharp-tailed and Savanna sparrows. We collected 9 adults and two young Savannah Sparrows and five adult Sharp-tails. Louis shot a young male Cowbird, flying well and larger than an adult. Several Herring gulls were flying about the fish traps on June 11, but were not seen to-day.

Specimens collected:

11,909. Ammodramus s. savanna. ♂ ad. June 16, 1900

11,910. " " " ♂ ad. "

11,911. " " " ♂ ad. "

11,912. " " " ♀ ad. "

11,913. " " " ♀ ad. "

11,914. " " " ♂ ad. "

11,915. " " " ♀ ad. "

11,916. " " " ♂ ad. "

11,917. Ammodramus caudacutus. ♂ ad. ^{latus 12.5 mm. in greatest diameter}

11,918. " " " ♂ ad. "

11,919. " " " ♂ ad. "

11,920. Melospiza fasciata. ♂ ad. "

Measurements of all the above are given on next page.

11,921. Ammodramus s. savanna. ♂ juv. June 16, 1900.

11,922. Melospiza fasciata. ♀ juv. "

Note. - Measurements of above specimens on next page.

127 Measurements of three species of Sparrows.

No.	Sex and age.	<u>Ammodramus sandwichensis savanna</u> .								
		Length	Alar expanse	Wing	Tail	Culmen	Bill height	Bill width	Tarsus	Middle toe and claw
11908	♂ ad.	150	250	74	54	12.	6.1	6.1	22.5	21 mm.
11909	♂ ad.	137	227	69	50	11.4	6.	5.5	21.5	19
11910	♂ ad.	142	230	70	50	11.6	6.	5.7	21.	19.5
11911	♂ ad.	140	228	70	52	11.1	5.9	6.1	21.	19.5
11912	♀ ad.	134	213	65	49	11.	5.6	5.2	21.	19.
11913	♀ ad.	142	223	67	50	11.	5.9	5.6	21.4	21.
11914	♂ ad.	140	226	68	51	10.5	6.	5.8	21.5	19.6
11915	♀ ad.	135	220	66	49	10.5	5.6	5.1	21.2	19.5
11916	♂ ad.	142	232	71	52	11.1	6.	5.5	22.	19.7
11921	♂ juv.									1st plumage.
		144	♀ ad.	141	222	69	50	11.	5.5	21.
										19.

<u>Ammodramus caudacutus</u> .										
11917	♂ ad.	148	206	60	52	12.5	5.	5.	22.	21.
11918	♂ ad.	148	205	60	53	13.5	5.	5.1	22.2	22.5
11919	♂ ad.	147	204	60	52	13.5	5.3	5.3	22.5	21.2
143	♂ ad.	150	210	63	54	13.5	5.2	5.2	22.5	21.
146	♀ ad.	145	202	59	48	14.	5.3	5.2	21.	21.

<u>Melospiza fasciata</u> .										
11920	♂ ad.	164	225	70	66	14.5	7.8	7.1	23.5	23.
145	♂ ad.	167	230	71	71	13.	8.	7.5	22.	21.

11,922 ♀ juv. First plumage.

The above are all breeding birds.

11923. Actitis macularia, pullus. Unable to fly. Fort Greble, Dutch Island, R. I. June 18, 1900. In formalin. Sergeant Porch took 4 young, but one died during the night and the remaining 3 were restored to their parents.
11924. Sterna hirundo. Adult. August 27, 1899. Found dead on the beach, near Fort Adams, R. I. Preserved in formalin.
11925. Murula migratoria juv. Fort Adams, R. I. July 17, 1900. In formalin; metal tag No. 3637.
11926. Eremites pusillus. - ad. Fort Adams, Newport, R. I. August 6, 1900. In formalin.

Birds of Conant Island, R. I.

During the fortnight ended August 9, 1900 Dr. J. G. Allen saw Leuciney Swifts, Field Sparrows, Bobolinks, Chipping Sparrows, Vireo.

August 7, 1900. I saw on Conant Id., 4 Cedar Birds, Kingbirds, Kingfisher, Robin, Song Sparrow, Yellowbird, Chipping Swift, Bank and Barn Swallows, Red-winged Blackbirds.

At Cumberlandtown and Narragansett Pier and from electric cars between, the following were seen: -

1. Sterna hirundo

2. Ardea virius. - One near Narragansett Pier.

3. Buteo lineatus. - One near Narragansett Pier.
4. Ceryle alcyon. - Several.
5. Chaetura pelasgica. - "
6. Tyrannus tyrannus. - At least 100.
7. Corvus americanus. - About 15.
8. Cigelanus phoeniceus. - Abundant
9. Sturnella magna. - Several.
10. Molothrus ater. - Many.
11. Melospiza fasciata. - Common.
12. Pipilo erythrourhynchus. - One male midway
13. Pooecetes grammensis. - do
14. Chelidon erythrogaster. - Rather Common.
15. Colibriola riparia. - Several. Swallows in large flocks may have been this or Tree Sw.
16. Campilis cedarorum. - Six.
17. Glaucostoptes carolinensis. - Several.
18. Mesula migratoria. - Abundant.

Plants. - In flower were boneset and a small purple Eupatorium, Rudbeckia, tall Lillies, white and pink Spiraea, Cardinal Flowers, Sweet Pepper-bush. Marshmallows not quite in flower yet.

Chepachet, R. I. Sept. 3, 1900.

11927. Ardea virius ♀ juv. Destroyed.
 11928. Zotamus solitarius ♂ juv.
 11929. Dendroica pensylvanica ♀ juv.
 11930. Spizella pusilla ♀ juv.
 11931. Campilis cedarorum ♂ ad. No wren appendix
- 183; 294; 95; 64; 11; 17; 21. Ate wild cherries.

130 Chepachet Post Office, R. I., Sept 4, 1900

11927. *Sciurus aureocapillus* ♀ ad. Caught in a mouse trap. 152; 236; 73; 57; 12; 22; 18.

Chepachet P. O., R. I. September 7, 1900.

11932. *Totanus solitarius* ♂ ad. 207; 406;
132; 61; 28; 30; 29 mm.

11933. *Sayornis phoebe*. ♀ juv. Sept. 7, 1900.

11934. *Tyrannus tyrannus* ♂ juv. old

Hart Adams, Rhode Island, Sept. 15, 1900.

11935. *Iryngites subruficollis* ♂ ad. Moderately fat.
222; 444; 144; 87; cul. 21; Tars., 33;
mtc., 26.; mc., 4.7; head of tibia to
end of claws, 106; Tibia, 58; bare part
of tibia, 21.5; hind toe + claw, 7; tip
of bill to occiput 49; base of bill to
occiput, 29; tip of bill to center of
pupil, 35. Iris brown, bill plumbeous,
dusky at tip, bare tibia & feet greenish
gray - claws brownish-black. Body in formalin.
11936. *Eremites pusillus* (♂?) ad. Preserved in formalin.

Hanging Rock, Middletown, R. I., August 18, 1900.

11937. *Ampelis cedrorum*. ♀ ad. No wax on appendages.
181; 297; 96; 61; cul. 11; nostril, 7; Tars., 17; mtc., 20 mm.

11938. *Melospiza fasciata*. ♂ ad. 167; 222; 68; 72;
culmen, 14; tarsus, 22.5; middle toe and claw, 20 mm.

11939. *Melospiza fasciata*. ♀ ad. Moulting. Old feathers
were worn down to the shafts. 158; 215; 67; 67;
culmen, 13; tarsus, 21.5; middle toe with claw, 19.7 mm.
[Bird record continued at page 14 this book.]

Reptiles.

131

1. *Dermochelys coriacea* (Vandelli). —
Flat-trunk-back or Leather-Turtle, the
largest of our Testudinata, inhabits the
open sea, north to Cape Ann. It is
from 6 to 8 feet in length. Several have
been taken off Rhode Island, and I saw
one preserved in the collection of the
Historical Society at Newport.

[2. *Chrysemys picta* (Hermann). — Seen
beside the Railroad in western Rhode
Island; but I have not seen them
as yet (May 3, 1899) on any of the islands
of Rhode Island.]

[3. *Clemmys guttata* (Schneider). —
Seen in western Rhode Island, but
not yet on the islands of the State.]

4. *Thamnophis saurita* (Linnaeus). —
Very abundant on Dutch Island, in
the west channel at entrance to
Narragansett Bay. Also common
on Rhode Island Island, and on
Connecticut Island, in this State.

5. *Thamnophis sirtalis*. — Specimen obtained
at Newport, R. I., May, 1899, preserved
in formalin.

6. *Carphophis amoenus* (Say). Large
specimen in my garden; preserved June 26, 1899.
Note. — A spotted ground snake was preserved
Nov. 21, 1899, which I caught in the
old stone fort Adams. Weather cold.

132 In document No. 3, Proc. Newport Nat. Hist. Soc. May 9, 1885, under heading "Donations to Museum", we find:
"Back of snapping turtle (*Chelydra Serpentina*,
(Bailey's Beach)."

From Dr. Solomon Drowne's Journal, referring to a visit to Newport, R. I., June 23, 1767, p. 67: "We went up to Captain Laten's where we got a Bowl of Punch. There was a Turtle ~~Spokick~~ at his house the same day. The Turtle's weight was above two hundred pounds. There was a terrible noise over our heads with them."

53 *Carphophis amoenus* (Say). Ground Snake.
Specimen taken at Ft. Adams, R. I. May 4, 1900, by
Lillian H. Mearns. Preserved in formalin.

3685 *Carphophis amoenus* (Say). Ground Snake.
Specimen found floating in Narragansett Bay,
R. I., May 19, 1900. It appeared to be dead
when seen floating near the south dock, but
proved to be alive and well. It lived 24
hours and was then put in formalin.

Its head was ^{observed to be} under water for 5 minutes
before I took it out of the salt water.

Chrysemys picta. Specimen caught in a small
stream near Hanging Rock, Middletown, R. I.,
June 2, 1900. Preserved in formalin No. 64 ✓

Clemmys guttata (Schneider). - About a
dozen Speckled Tortoises were seen

133 in small streams about Hanging Rock, Middletown, R. I., June 2, 1900. Three were captured alive and afterwards liberated in a small fresh-water pond near ^{Mather's} Fort Adams, where none have been seen since. These measured, respectively, (a) 102 by 80 mm (shell perfectly smooth; shell accidentally notched behind - the largest of 6 taken); (b) 97 by 77 mm. (shell perfectly smooth); (c) 97 by 76 (skull defective on posterior border, both plastron & carapace faintly sculptured).

No. 65 Three were preserved in formalin. The largest (No. 65) was second in size of the six brought home. The shell was perfectly smooth; spots numerous, clear and round. 100 by 77 mm.

No. 66 . Size small. Shell (carapace) with clear yellow but sparse spots. Carapace and plastron rather plainly sculptured.

No. 67 . Size small. Carapace very sparsely and faintly spotted; spots blurred or diffused. Carapace and plastron strongly sculptured. The specimen looks a good deal like the Wood Tortoise (*Clemmys marmorata*).

Chelydra Serpentina (Linn.) Snapping Turtles are common in all the fresh and slightly brackish waters on the island of Rhode Island. They are numerous in Almy Pond and on the Middletown marshes & ponds. Mr. Ash has a lot of little ones from a pond north of Newport.

No. 3792. Chrysemys picta. Size small. Taken June 6,
1900, in Lily Pond near the icehouse.
Preserved in formalin.

No. 52. Diadophis punctatus (Linnaeus).
Ring-necked Snake. Caught in granary
at Fort Adams, Newport, Rhode Island,
June 15, 1900. Preserved in formalin.

No. 999 Chrysemys picta. Ad. Newport, R. I.,
June 20, 1900. Sent alive to U. S. Nat. Mus.

Chelydra serpentina. - One weighing 12 pounds
was taken at Saundertown, R. I., June 17,
1900, by soldiers of Ft. Greble.

Chelydra serpentina. - Mr. Forrest E. Buchanan
saw a Snapping Turtle, June 22, 1900,
in possession of a man at Kinsgale's
Wharf in Newport. Mr. Buchanan
found another Snapping Turtle on the
road near Almy Pond, about the year
1897. It weighed 12 pounds.

Chrysemys picta. Mr. B. brought me
a large Painted Turtle from Newport,
R. I., June 23, 1900. ^{length 154 mm.} _{width 110 "} _{height 61 "}

Clemmys guttata. - Mr. F. E. Buchanan
has caught this and the Painted Turtle
in Almy Pond.

No. 3793. Green Snake (large specimen).
August 23, 1900. Newport, R. I.

Chepachet, Providence County, Rhode Island.

September 1 to 8, 1900.

On Sept. 3, I saw a Water Snake (Nerodia
clarkii) measuring 1165 mm. in total length.

It lay partly in two holes, with middle of
body exposed, in a marshy place thickly
grown with pickerel weed, arum, susies, etc.
beside the Chepachet River. This specimen
contained 32 young, each about 220 mm. in
length in a uterus consisting of about six parallel
compartments, containing 5-6 young rolled in a
ball in each compartment. The trachea, lungs,
liver, kidneys and heart were dissected.

Skin of adult & the young entire preserved in formalin.

Chrysemys picta. - We saw many in Chepachet
River, R. I., Sept. 1-8, 1900.

Nanemys guttatus. - Said to be abundant at Chepachet.

Otelydra serpentina. - Said to be common at Chepachet.

Cistuda clausa. - Said to be uncommon at Chepachet.

Ft. Adams, R. I., Oct. 18, 1900.

3705. Crotaphopeltis undulans. Small individual,
sunning itself on boardwalk on cold morning.

Ft. Adams, R. I. Oct. 19, 1900.

3759. Harmopholis vernalis. Kept in confinement
until Nov. 20, 1900. In formalin.

Found on Lake Worden, R. I., November, 1900:

4614 Chelydra serpentina. Shell of adult, necess-
ary 463 X 360 mm.

4576. Chrysemys picta. - Part of shell.

4716 Nanemys guttatus. Entire shell.

Chelydra serpentina. — Mr. Lorenzo A. Knowles says that, in June, Snapping Turtles come out of Lake Worden, Rhode Island, and lay a ^{clutch} of about three quarts or over 40 spherical eggs in the sand about 30 yards back from the water. He has seen one that weighed 45 pounds, without its head, and a still larger one was caught by Mr. Knowles's father, James Knowles; carapace held more than a bucket of water and was kept as a utensil for years, in the barnyard. I sent a carapace (No. 4614) to the U. S. Natl. Museum which measured 18 inches in length. It was found in the Great Swamp.

Dermochelys coriacea. — A brother of Mr. George H. Whaley told me that he (the brother who has charge of a light near Point Judith) has hunted Leather Turtles off Point Judith during the past few years.

Mr. Joshua Perry Clark, who was formerly in charge of the Life-Saving Station at Watch Hill, says that Leather Turtles blow like a whale. One weighing about 500 pounds was killed by his crew of swordfishers about 20 miles east of Block Island, in August, 1894. It was harpooned by the swordfishermen.

List of Reptiles sent to the
U. S. National Museum from Rhode Island.

52. Diadophis punctatus (Linnaeus). Fort Adams, Newport, Rhode Island. Caught in the fort grounds, June 15, 1900.
55. Diadophis punctatus (Linnaeus). Fort Adams, Newport, Rhode Island, June 22, 1900.
3792. Liopeltis vernalis (DeKay). Newport, Rhode Island, August 23, 1900.
3610. Liopeltis vernalis? Dutch Island, Narragansett Bay, R. I., 1900. Opened
- | | | | | |
|-------|---|---|----|---|
| 3659. | " | " | do | " |
| 3632. | " | " | do | " |
| 3643. | " | " | do | " |
| 3639. | " | " | do | " |
| 3648. | " | " | do | " |
| 3674. | " | " | do | " |
| 3650. | " | " | do | " |
| 3663. | " | " | do | " |
| 3642. | " | " | do | " |
| 3631. | " | " | do | " |
| 3622. | " | " | do | " |
| 3624. | " | " | do | " |
| 3604. | " | " | do | " |
| 3668. | " | " | do | " |
| 3638. | " | " | do | " |
| 3726. | " | " | do | " |
| 3652. | " | " | do | " |
| 3671. | " | " | do | " |
| 3611. | " | " | do | " |
| 3666. | " | " | do | " |

138. *Sipellis vernalis* (L.). Dutch Island, Narragansett Bay,
 3651. Rhode Island. Spring of 1900.
 3670. " " do.
 3656. " " do
 3616. " " do
 3664. " " do
 3629. " " do
 3697. " " do
 3600. " " do
 3780. *Hannophis*
 3739. " do
 3774. " do
 3781. " do
 3754. " do
 3711. " do
 3716. " do
 3734. " do
 3783. " do
 3788. " do
 3765. " do
 3796. " do
 3776. " do
 3700. " do
 3779. " do
 3735. " do

 Newport, R. I.,
 May 26, 1900.
 3723. " Newport, Rhode Island, August, 1900.
 53. " Fort Adams, Newport, R. I., June 26, 1900.
 54. " " 21, "
 57. " " 20, "
 3709. " August, "
 3741. " " "

3712. *Hannophis vernalis* (Linn.). Newport, R. I., August, 1900. 139
 3727. " " Connanicut Island, R. I., Sept. 18, 1900.
 3737. " " Brenton's Point, Newport, R. I.,
 Sept. 16, 1900.
 3759. *Hannophis vernalis* (Linn.). Fort Adams, Newport,
 R. I., Kept in captivity until Nov. 20, 1900.
 3692. *Carpophiops amoenus* (Say) ^{Dutch Island, Narragansett} Bay, R. I. Spring of 1900.
 3649. " " " " do.
 3679. " " " " do
 3653. " " " " do
 3695. " " " " do
 3673. " " " " do
 3606. " " " " do
 3646. " " " " do
 3618. " " " " do
 3667. " " " " do
 3630. " " " " do
 3655. " " " " do
 3665. " " " " do
 3626. " " " " do
 3683. " " " " do
 3647. " " " " do
 3675. " " " " do
 3672. " " " " do
 3688. " " " " do
 3619. " " " " do
 3607. " " " " do
 3669. " " " " do
 3658. " " " " Taken in my garden at
 Fort Adams, Newport, R. I., June 26, 1899.
 3603. *Carpophiops amoenus* (Say). On a cold day,
 Nov. 21, 1899, I caught it in the old stone fort, at Fort
 Adams, Newport, R. I.

50. Carpophloips anomus (Say). Fort Adams,
Newport, R. I., June 12, 1900.
3685. Carpophloips anomus (Say). Found floating in
Brenton's Cove, at Ft. Adams, Newport, R. I., May 19, 1900.
51. Natrix fasciata sipedon (Linn.). Peat Pond,
Newport, R. I., June 19, 1900.
3610. Natrix fasciata sipedon (Linn.). Newport, R. I., 1900.
3615. " " " ". Newport,
R. I., July 8, 1900.
3737. Natrix fasciata sipedon. Brenton Point, Newport,
R. I., Sept. 16, 1900.
3785. Natrix fasciata sipedon. Newport, R. I., 1900.
3608. Carpophloips anomus (Say). Fort Adams,
Newport, R. I., June 22, 1900.
3738. Carpophloips anomus (Say). Newport, R. I., 1900.
3760. " " " " " "
3707. " " " " " "
The above three (3738, 3760, and 3707) were full of eggs.
3705. Carpophloips anomus (Say). Fort Adams,
Newport, R. I., Oct. 18, 1900.
3706. Carpophloips anomus. Newport, R. I. summer of 1900.
3719. " " " (May 4?) "
3767. " " " "
3701. Small. Snakes
3753. " " " "
3797. " " " "
3722. " " " "
3634. Stoeraria
- "Color brownish gray above, grayish below.
Length about 100 mm. (Continued on page 144.)

Amphibians.Batrachians.

May 3/99. Fort Adams, Newport, Rhode Island.
I have not seen any Salamanders from
the day I arrived, on February 20, to
the present, May 3.

1. Bufo americanus Le Conte. - Very
numerous on Rhode Island Island.
Heard at present and for several weeks
past.

2. Hyla pickeringii (Florcr). - Heard
as early as February on warm days.
Some are still piping May 3. Abundant
in swamps about Hanging Rock, Middle-
town, R. I.

Bufo americanus Le Conte. A toad was
captured on a brackish marsh in Middle-
town, R. I., June 2, 1900. Very abundant
all over Aquidneck Island.

Plethodon erythronotus (Green). Two Red-back
3743. Salamanders were caught under stones at
3747. Hanging Rock, Middletown, R. I., June 2, 1900.

Rana

* 3708 Two species of Rana, a leopard and Green
* 3710 are common in fresh-water pools about
* 3720 Fort Adams; and both were seen in streams
about Hanging Rock, Middletown, R. I.,
June 2, 1900.

Rana

- Numerous in the Lily
Pond, June 6, 1900.

- No. 3623. Rana pipiens Kalm. 7 Km from
the small pond beside the stone quarry, south
of the Bonaparte house, June 25, 1900. Formalin

Tropidonotus sipedon. — A Water Snake 3 ft.
long was found dead May 11, 1900, beside
a swamp near south end of the Island of
Rhode Island. June 7 another the same
size was found in the road at the same
place. Both were so mutilated and decayed
as to make them unfit for preservation.

- No. 60. Rana pipiens Schreber. Peat Pond,
Newport, R. I. June 25, 1900. Formalin.

- No. 3730. Rana pipiens Schreber. Peat Pond, Sept 15,
1900. Color green and blackish above; white
below becoming reddish infra-posteriorly.
The green and red colors match the foliage
of the (loosestrife?) vines bordering the pond.

- Nos. 363, 367, 3646. Rana
The Great Swamp, near Worden Pond,
D. Kingston, R. I., November 26, 1900.

List of Batrachians sent to the U. S.

National Museum from Rhode Island.

3743. Plitodon erythronotus (Gmel.). Hanging Rock, R. I., June 2, 1900.

3747. " " " do

3749. " " " do

3708. Bufo americanus Leconte. Found in a
brackish marsh at Middletown township,
near Newport, R. I., June 2, 1900.

3660. Rana clamitans Latreille. Caught, 143

June 16, 1900, in a saltmarsh back of Third
Beach, Middletown township, R. I.

3720. Rana clamitans Latreille. Hanging Rock,
near Newport, R. I., June 2, 1900.

3627. Rana Pond near
Woodland Road, Newport, R. I., Summer of 1900.

3703. Rana pipiens Schreber. Hanging Rock, Middleton
township, R. I., June 2, 1900.

3710. Rana pipiens Schreber. Hanging Rock, near
Newport, R. I., June 2, 1900.

60. Rana pipiens Schreber. Peat Pond, Newport,
R. I., June 25, 1900.

3623. Rana pipiens Schreber. do do

3730. " " " Peat Pond, Newport,
R. I., Sept. 15, 1900.

3630. Rana pipiens Schreber. Lily Pond, Newport,
R. I., June 6, 1900.

363. Rana Great Swamp, Lake
Worden, town of South
Kingston, Washington Co.,
R. I., Nov. 26, 1900.

A fair, filled with Reptiles and Batrachians,
from Colbeck's, Providence Co., Rhode Island,
September 1-8, 1900.

144 List of Reptiles sent to the U. S.
National Museum from Rhode Island.
(Concluded from page 140.)

4614. Cebelydra serpentina (Linnaeus). Shell measuring 463 by 360 mm. Lake Worden, Washington Co., R. I., November, 1900.
3684. Chrysemys picta (Hermann). Almy Pond, Newport, R. I., June 23, 1900.
63. Chrysemys picta. Lily Pond, Newport, R. I., June 6, 1900.
64. " " Small stream, near Hanging Rock, Middletown township, R. I., June 2, 1900.
999. Chrysemys picta. Sent alive to the U. S. Nat. Mus., June 2, 1900. Newport, R. I.
4576. Chrysemys picta. Part of shell from Lake Worden, Washington Co., R. I., Nov., 1900.
61. Clemmys guttata (Schneider). Peat Pond, Newport, R. I., July 4, 1900. Taken in "Cyclone" trap.
62. Clemmys guttata. Marsh beside Peat Pond, Newport, R. I., July 4, 1900.
65. Clemmys guttata. Small stream in a swamp at Hanging Rock, near Newport, R. I. June 2¹⁹⁰⁰.
66. Clemmys guttata. do do
67. " " do do
4716. " " Shell taken at Lake Worden, Washington Co., R. I., Nov., 1900.

Fort Snelling, Minn. Plants. 147

- Pasque Flower. — First seen April 4, 1903; flowering plentifully by April 7, 1903. Pulsatilla hirsutissima
Ranunculus 1st April 8, 1903.
Ranunculus serrulatus. — Fl. April 8, 1903. Sallow.
Corylus — Fl. April 8, 1903.
Dicentra cucullaria. — Fl. April 10, 1903.
Sanguinaria canadensis. — Fl. April 11, 1903.
Marsh Marigold or Cowslip (Caltha palustris).
Opening buds in abundance April 11, 1903.

A List of the Trees, Shrubs,
Vines and a few other Plants found
about Lake Warden, South Kingstown, R. I.,
made with the assistance of Mr. Lorenzo
A. Knowles and his son, John Kenyon K.

White Oak
Red Oak
Scrub Oak
Yellow-bark Oak
Holly
Pignut Hickory
Butternut
Wild Black Cherry
Swamp Cherry (not Pin)
Pin Cherry
Beach Plum
White Birch
Black or Sweet Birch
Yellow Birch
Swamp Maple
Black Ash
White Ash
Beech
Hornbeam
Sassafrass
Chestnut
Red Cedar, Sawin
Swamp White Cedar
Hemlock
Pitch Pine

White Pine
Juniperus communis
Speckled Alder
Alder (*Alnus*)
Ironwood
Soapbush or Spicebush
Rhododendron
Laurel (*K. latifolia* & "3 others")
Deer Laurel; Ink Berry.
Witch-hazel
Dogwood; "Macamoose."
Feverbush
Sumach (2 kinds)
Poison Sumach (*Rhus*)
Poison Ivy (*Rhus*)
Grape, frost (small).
Leatherier
Black Huckleberry
Dangleberry
Pepperidge; Serag; Hornbeam
Swamp Blueberry.
Sugar Berry
2 kinds of Blackberry
Swamp (running) "
Dewberry
Partridge Berry (*Mitchella repens*).
Trailing Arbutus (*Eragaea repens*).
Pyrola rotundifolia
2 kinds Prince's Pine. *Umbellata* and *maculata*
Wintergreen
Indian Pipe
? *Selaginella* (wet shore of Lake Warden).

Lycopodium aciculatum

150 — " clavatum

" dendroideum

" complanatum

Sycamore or Buttonball

Sweet Bay

Wax Myrtle or Bayberry.

Tulou or Tallow-tree

Devil's Walking Stick (spiny). Specimen in the
museum at Hazard Memorial Hall, Wakefield, R.I.

Yellow Willow

Black Willow.

Drooping Willow

Locust

Honey Locust.

151

of Fishes.

Lophius americanus. — The American Angler or Bellows-fish is commonly found cast upon the shores of Rhode Island island. On November 26, 1899, my son and I saw one at Ft. Adams measuring 4 feet in total length (including the tail). The bones and teeth are abundant in the driftage along these shores.

4478. *Microgadus tomcod*. Conanicut Island at Jamestown, Dec. 2, 1899. A dozen boys were engaged, with hoes, rakes and crab-nets, in pulling out "Front Fish" that came ashore after sunset to feed upon small fishes called "White-bait" along the shore.

3077. *Gadus callarias* Linn. Newport, R. I. 1899.
Skull, identified by C. H. Townsend.

3078. *Lophius piscatorius* Linnaeus. Angler; Bellows-fish. One juv. Newport, R. I. 1899.

3079. *Lophius piscatorius* Linnaeus. One juv. Newport, R. I. 1899.

3080. *Lophius piscatorius* Linnaeus. One juv. Newport, R. I. 1899. The beaches are lined with these jaws of the "Angler" or "Bellows-fish."

3081. *Lophius piscatorius* Linnaeus. Newport, R. I. March 10, 1899. Both lower jaws, articulated. Bellows Fish.

56. *Hemitripterus heterodus americanus* (Gmelin).

Sea Raven. A specimen 290 ~~mm.~~ inches in length, caught by Capt. Treat at Fort Adams, Narragansett Bay, R. I. Preserved in alcohol-formalin. May 13, 1900.

Sphoeroides maculatus (Block & Schneider).

Puffer; Swell Toad; Blower; "Toad Fish". This was commonly washed up on all the beaches about Newport, in June, 1899 and 1900.

Lagocephalus laevisgatus (Linnaeus),
Smooth Puffer.

Caught by Capt. Esterbrook,

at Price's Neck, Newport, R. I., October 27, 1900. Preserved in formalin.

Nos. 365 and 368. *Micropogonias tomcod*.

Wickford Landing, Narragansett Bay,
Rhode Island, Nov. 29, 1900.

No. 3648. Bellows-fish. Taws from beach at
Newport, R. I., December 30, 1900.

No. 3649. Ditto

" 3650. *Nomer setipinnis* (Mitchill).

See Jordan & Evermann's Fishes of North America, p.
934 sp. Taken at Newport, R. I. Sept. 20, 1901.

Fishes of Lake Worden, Washington 153
County, Rhode Island.

Lake Worden, Worden's Pond, or the Great Pond, as it has been variously called, is the largest sheet of fresh water in the State of Rhode Island.

This list is based chiefly on information given me by Mr. Lorenzo A. Knowles, proprietor of the Lake Cottage, on the ^{E.} shore of Lake Worden near the mouth of Mink Brook.

The lake is of very irregular shape, its greatest diameters being about $3\frac{1}{2}$ by $2\frac{1}{2}$ miles.

	Name of Fish	Maximum weight.
1.	Pickerel	$7\frac{1}{4}$, $5\frac{3}{4}$ lbs.
2.	Yellow Perch	$2\frac{1}{2}$ "
3.	White Perch	$2\frac{1}{2}$ "
4.	Small-mouthed Black Bass.	$5\frac{3}{4}$ "
5.	Horned Pout; Catfish	$\frac{3}{4}$ "
6.	Golden Shiner	$3\frac{1}{4}$ "
7.	Eel	
8.	Pumpkin-seed or Roach	
9.	Sucker	3 "
10.	Buckeyes; Alewife; Herring	
11.	Mullet	
12.	Dace or Chub	$1\frac{1}{4}$ "
13.	Trout	$2\frac{1}{2}$ "
14.	Land-locked Salmon (introduced).	

154 On leaving Fort Adams, Newport,
Rhode Island the following Fish Specimens
were forwarded to the U. S. National Museum.

3758 *Tautoga onitis* (Linnaeus). "Tautog."

Small individual from Brenton Cove, Narragansett Bay, Rhode Island, July 18, 1900.

3752. *Tautogalabrus odysseus* (Walbaum).
Fad. Brenton Cove, July 18, 1900.

3717. Ditto. Fad.

3750. , Fad.

56. *Hemitripterus americanus* (Gmelin).
Narragansett Bay, at Fort Adams, Newport,
R. I., May 13, 1900.

3686. *Sundulus heterocleptes macrolepidotus*
(Walbaum). Fad. Lily Pond, Newport, R. I.,
July 14, 1900. This and the following are
topotypes of *Hydrogymnus nigrofasciata* Le Sueur, Journ. de Nat. Sci.,
Phil., I, 1817, p. 133.

3609. Ditto. 5 specimens from Hanging
Rock, near Newport, R. I., June 16, 1900.
Shot in a ditch. 2 1/2 et 3 1/2 ft.

3661. Ditto. Two specimens (Fad. et Fad.)
Lily Pond, Newport, R. I., July 14, 1900.

Ditto. A dozen specimens collected
in stream at Gulf Grounds, near Brenton Point
Newport, R. I., May 26, 1899. Full of spawn.

3636. *Menidia notata* (Mitchill). Very large individual of Dotted Silversides. "Mouror" float,
Newport, R. I., over largest specimen.

— Same size as above; taken with it.

3678. *Menidia notata* (Mitchill). Twenty specimens
taken near South Dock, Ft. Adams, R. I.,

3680. *Myoxocephalus octodecemspinosis* (Mitchill).
Dorsal viii, 16. A. 14. Skin sparsely tuberculated;
spinous dorsal lower than soft dorsal; ventral
reaching to vent.

3693. *Myoxocephalus aeneus* (Mitchill). "Grubby."
Found among seaweed at Ft. Adams, R. I.,
summer of 1899.

3676. *Prionotus carolinus* (Linnaeus). "Sea
Robin." Newport, R. I., April or May, 1899.

3601. *Tautogalabrus odysseus* (Walbaum).
"Cetognathus"; Snapper. Size medium. Ft. Adams,
Newport, R. I., autumn of 1899.

3621. Ditto. Newport, R. I., April or May, 1899.

3657. *Cyclopterus lumpus* Linnaeus. "Lumpfish"
Newport, R. I., April or May, 1899.

3696. *Stenotomus chrysops* (Linnaeus). "Scup."
Newport, R. I., April or May, 1899.

3718. Packet of small fishes from Fort Adams,
Newport, R. I. 1899-1902.

4478. Fish
From. Newport, R. I.

4736. Packet of small fish from Fort Adams,
Newport, R. I., 1899-1902.

3968. Ditto.

— Day of Fish from Chepachet, R. I., Sept., 1900.
See pages 51, 52.

- 166 Chepachet, R. I. Sept. 1, 1900. ♂ juv.
 The following were collected by Louis G. J. Mearns
 No. 140 *Mus deesmanus*. ♂ juv. Length, 165 mm.
 140 tail vertebral, 105; hind foot, 34.
 No. 2. *Sciurus hudsonicus logaux*. ♂ ad. Length, 340;
 tail vertebral, 150; tail hairs, 183; hind foot, 51; head, 53; ear
 crown, 16; ear notch, 25 mm.
 No. 3. *Oryzobates villosus* ♀ ad. 153.
 Length, 127; 384; 120; 84; culmen, 27; tarsus, 22; middle toe
 and claw, 21 mm.
 No. 4. *Vireo olivaceus* ♀ juv. Iris brown, not red.
 156; 260; 82; 56; culmen from frontal feathers, 10.5; tarsus, 18.5;
 middle toe and claw, 15 mm. 154.
 No. 5. *Putorius novaboreensis* ♂ juv. ^{Sept. 2, 1900.} Length, 388;
 tail vert., 141; hairs, 180; hind foot, 46; head, 57;
 ear crown, 9.3; ear notch, 20 mm.
 No. 6. *Ereotomys gapperi* ♂ ad. 142 mm.; 41; 47;
 19; 27; 7.5; 14.
 No. 7. *Ereotomys gapperi* ♀ ad. 150 mm.; 44; 50; 19.5;
 28.5; 8; 14.5. Contained five feathers about the size of No. 1 shot.
 No. 8. *Ereotomys gapperi* ♂ ad. 146 mm.; 38; 44; 19;
 29.5; 9; 14.5.
 No. 9. *Ereotomys gapperi* ♀ juv. In second pelage.
 128 mm.; 35; 18.5. ^{Sept. 3, 1900.}
 No. 10. *Ereotomys gapperi* ♀ ad. 152 mm.; 47; 53;
 19; 29; 9; 13.
 No. 11. *Peromyscus leucopus novaboracensis* ♂ juv.
 140; 61; 20.5 mm. Nest sent to U. S. Natl. Mus.
 No. 12. *Sciurus auricapillus* ♀ ad. 155.
 150; 245; 77; 59; culmen, 12.5; tarsus, 22.5; middle toe
 and claw, 18.5 mm.

- 161 Chepachet, R. I. Sept. 3, 1900. 161
 No. 13. ♂ *Dendroica striata* ♀ ad. 156.
 143; 234; 78; 54; 10.3; — ; 17 mm.
 No. 14. *Tyrannus tyrannus* ♂ juv. 157.
 No. 15. *Ardea virescens* ♀ juv. 158.
 No. 16. ♂ *Dendroica pensylvanica* ♀ juv. 159.
- Chepachet, R. I. September 4, 1900.
 No. 17. ♂ *Ampelis cedrorum* ♂ juv. Two albinos claws.
 No. 18. ♂ " ♂ ad. With waxen app.
 190; 300; 97; 68; 11; 17.5; 20 mm.
 No. 19. ♂ *Leontopis virius* ♂ juv.
 No. 20. ♂ *Totanus solitarius* ♀ One of a pair.
 163. 220; 430; 149; 63; 27; 32; 30.5 mm. ^{Sept. 5, 1900.}
 No. 21. ♂ *Tamias striatus lysteri* ♀ im. 23.0 mm.; 88; 106;
 35; 44; 13; 18.
 No. 22. ♂ *Sialia sialis* ♂ yg. ad. 172 mm.; 290; 100.
 No. 23. ♂ *Coloccyzus erythrophthalmus* ♂ ad. 307 mm.;
 400; 146; 17.0; 23; 12.7; 26. ~~100~~
 No. 24. ♂ *Parus atricapillus* ♂ ad. 144 mm.; 212; 69; 70;
 10.3; 17; 15.
 No. 25. ♂ *Melospiza fasciata* ♂ ad. 165 mm.; 219; 68;
 68; 13; 22.3; 21.5. Molting, changing to fall plumage.
 No. 26. ♂ *Vesperilio fuscus* ♀ ad. L. 122 mm.; Volar expanse,
 325; longest finger, 82; tail vertebræ, 44; ear crown,
 11; ear above notch, 17; head, 23 mm. ^{Sept. 6, 1900.}
 No. 27. ♂ *Blarina brevicauda*. ♀ ad.
 184; 23; 27; hind foot, 14; head, 27 mm.
 No. 28. ♂ *Hiber gibbicrus* ♀ juv. Length, 490 mm.;
 tail vertebræ, 218; hind foot, 80.

Sept. 6, 1900.

- No. 29. [♂]Denius hudsonicus loquax. ♀ ad.

340; 155; 195; 50; 51; 14; 23 mm.

- No. 30. [♂]D. hudsonicus in creek touched
contained 31 ripe wild cherries per oz., 14 in one
side and 17 in the other. 250 mm.; 93; 113;
32; 43; 10; 16.5.

- No. 31. [♂]Percnonyxia leucopus norboraeus ♂ ad. 180 mm.;
81; 86; 22; 295; 13; 16.

- No. 32. [♂]Sayornis phoebe ♀ ad. Molting.

- No. 33. [♂]Galeoscolex carolinensis ♀ ad. 230 mm.;
300; 93; 164; 18.5; 30; 26.

- No. 34. [♂]Spizella pusilla ♂ ad. Molting

- No. 35. [♀]Mephitis mephitis. ♀ imm.
Length, 580; tail vertebræ, 250; hd. ft. 65

- No. 36. [♂]Dryobates pubescens, ♀ ad.

366; 295; 95; 65; cul. 14.7; 15; 16 mm.

- No. 37. [♂]Blarina brevicauda. ♀ ad. 124; 26; 30;
mid foot, 16; head, 28 mm.

- No. 38. [♂]Aegithalos velox. ♀ imm. 340; 660; 212;
175; cul + cere together (chord), 18; culmen, 13;
tarsus, 56; 45. Iris yellow. Stomach empty
Hab. Adams, R. I. Sept. 15, 1900. (Coll'n of Louis Mearns.)

173. Dendroica palmarum hypochrysea ♀.
133; 200; 63; 57; culmen, 11; tars. 18.5;
mtc, 16.5.

174. Ammodramus sandwichensis savannah. ♀ imm.
140; 220; 67; 54; cul. 11.2; tars. 20.5;
mtc, 20.

175. Calidris arenaria. ♂ ad. 203; 395;

128; 63; cul. 25.5; tars. 24.5; mtc, 18.

Bill & feet black, iris dark hazel.

Loaded with a thick layer of fat.

176. Egretta semipalmata ♀ - 185; 385; 123; 57;
culmen, 12.3; tarsus, 25; middle toe + cl., 21 mm.

177. Ereunetes pusillus ♀ ad. 167; 319; 102; 46; cul.,
21; tarsus, 22.5; middle toe with claw, 19 mm.

178. Ereunetes pusillus. ♂ ad. 165; 312; 100; 49; culmen,
20.5; tarsus, 22; middle toe with claw, 18.7 mm.

179. Calidris arenaria. ♀ ad. 202; 400; 127; 60;
culmen, 27; tarsus, 26; middle toe with claw, 18.2 mm.

Conanicut Island, R. I. Sept. 20, 1900.

Mr. Hugh Taylor, shooting over decoys on
Conanicut Island, killed 2 Black-bellied Plovers,
2 Wilson's Snipe, 1 Greater Yellow-legs, 1 Virginia
Rail, and a female Pigeon Hawk, and gave the
two last to Louis Mearns:

180. Falco columbarius. ♀ imm. 330; 680; 220; 150;
cul. + cere (chord), 18; cul. (chord), 14; tars., 41; mtc, 45.
Iris, hazel; cere and feet, greenish yellow;
claws, plumbeous-black; bill, greenish gray
at base, plumbeous-black apically.
Stomach empty.

181. Rallus virginianus ♀ ad. 260; 370; 108; 53;
42.5; 40; 43 mm. Iris yellowish brown. Bill
dark brown above, vinaceous-cinnamon below.
Legs, feet & claws, vinaceous-cinnamon, slightly
dusky posteriorly.

164 Fort Adams, R. I. Oct. 7, 1900.

182. Zonotrichia carolina. ♀ juv. 220; 350; 68; 56;
culmen, 17; tarsus, 32; middle toe with claw,
40 mm. Killed by telegraph wire when flying by night.

Fort Adams, R. I. Oct. 11, 1900.

183. Dendroica virens ♀ juv. Iris hazel. Feet and
claws brownish plumbeous. Bill dusky brownish
above and at tip, horn color below. Shot in willows.
135; 216; 68; 53; 11; 18; 16 mm.

184. Melospiza georgiana ♂ ad. 153; 210; 62; 62;
12; 22; 21.5 mm.

11953 Zonotrichia albicollis 177; 246; 76; 79;
13; 24.5; 22 mm. Preserved in formalin.

185. Sphyrapicus varius ♀ ad. 220; 392; 125; 84;
26; 21.5; 22 mm.

Fort Adams, R. I. October 15, 1900.

186. Ceryle aleyon. ♀ ad. Sent me by Mr. Philip
Peckham, Jr. 336; 567; 164; 102; 54; 13; 24 mm.
Died in confinement October 21, 1900.

187. Cyanoritta aristata. ♀ ad. Dec. 11, 1900.
350; 136; 430; 138; 28; 36; 30.

188. Colinus virginianus. ♂ ad. Lake Worden, R. I.,
December 21, 1900. 256; 390; 116; 76; 14; 35; 36

189. Olearia nivalis, ♂ ad. Lake Worden, R. I.,
Dec. 22, 1900. 185; 331; 113; 72; 11.2; 22; 21.

190. Lepus floridanus transitionalis ♂ ad. Lake
Worden, R. I., Dec. 21, 1900.

191. Lepus floridanus transitionalis. ♀ ad. Lake
Worden, R. I., Dec. 21, 1900.

192. Lepus floridanus transitionalis. ♀ ad. Lake
Worden, R. I., Dec. 21, 1900.

193. Fulica americana ♀ ad.

Perch Cove, Salt Pond, Washington Co.,
R. I., Dec. 20, 1900. 373; 637; 182; 67;
42; 56; 76; head of tibia to end of claws, 220 mm.

187. Colinus virginianus. ♀ ad. Lake Worden, R. I.,
Nov. 28, 1900. 273; 409; 122; 79; 14;
36; 41 mm.

Third Notes, Fort Adams, Rhode Island.

I returned from Washington June 30th, ¹⁹⁰¹, and saw
Harpurus rufus — singing in the big Elm.

Gavia immer. — One seen about the fish nets
off Bleak House, July 7, 1901.

Sterna hirundo. — Several to 20 seen daily.

On July 17 flocks of young were seen on Seal Rock.

Nycticorax nycticorax naevius. — One or two
seen or heard almost every evening, at dusk,

flying from the west over the post.

Eremopterix pusillus. — About 30 seen at Brewster's
Point, mostly on island rocks July 17, 1901.

Actitis macularia. — As many as 25 were seen
on an island rock July 7. Abundant.

Adults have spotted breasts, young immaculate white.

Colinus virginianus. — Quite numerous began to
whistle July 10th. "Bob-white." Whistling everywhere

Megacops asio. — Two young taken in Tiverton.

Syrinx nebularum. — One young from Tiverton.

Ceryle aleyon. — Two came July 15; seen daily since.

Colaptes auratus luteus. — Young & adults seen daily.

Chactura pelagica. — Occasionally seen; breeds.

Tyrannus tyrannus. — Seen constantly since

July 1st. Coccyzus americanus. — Two often seen together.

166 (Ft. Adams R. I. Birds seen July 1 to 20, 1901.)

Dolichonyx oryzivorus. - Males singing in black dress July 7th. Present in small bands July 20.

Aegleia phoeniceus. - Young and old abundant.

Turdus migratorius. - In families. Sing daily.

Icterus spurius. - Young and old often seen. Bred.

Troisculus quiscula. - Bred in numbers. In a swamp of maples, etc. hundreds sooty.

Passer domesticus. - Abundant.

Astragalinus tristis. - Breeds. Abundant.

Pooecetes gramineus. - Bred. Sings. Common.

Anisognathus sandwichensis savanna. - Breeds sings constantly. Abundant.

Melospiza fasciata. - Very abundant. Breeds. Sings constantly at this season.

Pholidon erythrogastra. - Bred. Abundant. Very numerous July 20.

Citricola riparia. - Breeds. Several seen daily.

Dendroica aestiva. - Breeds abundantly. Singing July 20.

Geothlypis trichas. - Sings. Breeds. Common.

Icteria virens. - Bred. Heard July 1 to 17.

Galeoscoptes carolinensis. - Breeds commonly.

Merula migratoria. - Very abundant. Flocks flying SW. July 17 to 20 at evening.

Numerous in all fields - 27 counted in one.

Sialia sialis. - Young & Old seen between Wickford & Wickford Junction June 30.

None seen on this island.

Fort Adams, Newport, Rhode Island. 167

July 26, 1901.

Merula migratoria. - Young and adults abundant. At dusk, each evening, they are seen in large numbers flying towards the southwest corner of the island where they doubtless have a roosting place.

Galeoscoptes carolinensis. - Several.

Icteria virens. - One seen July 22, none since.

Spinus tristis. - Abundant.

Tyrannus tyrannus. - One.

Aegleia phoeniceus. - Abundant; female in separate flock.

Troisculus quiscula. - In flocks by the shores.

Pooecetes gramineus. - Singing sweetly.

Anisognathus sandwichensis savanna. do

Melospiza fasciata. do

Turdus migratorius. do

Dendroica aestiva. - Common.

Geothlypis trichas. - Several.

Cuculus americanus. - About ten.

Lacertes auratus luteus. - Common; young & old.

Sterna hirundo. - A fishing boat touched at Seal Rock and drove all the young Terns ashore. Their heads were fluffy in front, beginning to get black on hinder part of crown.

Nycticorax nycticorax naevius. - Continually heard at night.

Pholidon erythrogastra. - Abundant in flocks. No Bank Swallows seen.

Icterus spurius. - Common. One note of theirs suggests the call of Totanus.

Colius virginicus. - Whistling.

Actitis macularia. - Abundant.

168 (Fort Adams R. I. July 26, 1901—Concluded)

Ereunetes pusillus.—Common; one flock of about 40.
Arenaria interpres.—One flock of 15 birds, the first.

August 15, 1901.

Turnstones (about 75), Sanderling (40),
Semipalmated Sandpipers (perhaps 200), Spotted
Sandpipers (about 20), Night Heron (1) seen.

September 13, 1901.

30 Turnstones, 200 Semipalmated Sandpipers,
and 6 Semipalmated Plovers at Breton's Point.
~~and Harry Gulls 1 old ad. from young one. To just open.~~
Dolichonyx oryzivorus.—Hawk in Cornfield.

September 14, 1901.

13 Turnstones, 50 Semipalmated Sandpipers,
and 4 Ring (Semipalmated) Plovers at Breton's Point.
The Turnstones were feeding in the road, on
the Ocean Drive. Three flew to a stonewall
beside us, and fed & preened. They were tame & pretty.
1 Savanna Sparrow seen on beach.
1 Sharp-shinned Hawk. 1 Night Heron.

September 15, 1901.

1 Sharp-shinned Hawk.

Several Common Terns.

1 Nester Sparrow.

Dec. 3, 1901. Ft. Adams, R. I.

Sturnella magna.—a pair, at 3 P.M.,
feeding in a weedy lawn outside my windows,
in a driving rain-storm.

Crustaceans.

Port Adams, Newport, Rhode Island.

1. *Homarus americanus* (Seba). American Lobster. - Buoys marking lobster pots are seen in most parts of Narragansett Bay; and lobster catching is an important industry.
2. *Callinectes sapidus* Rathbun. - The Common Edible Crab was often washed ashore during February, March, and April, 1899.
3. *Linulus polyphemus* Latr. - The King Crab was not seen, nor any of its shells from February 20 to May; but on May 1, 1899, I found a large specimen recently dead washed ashore up the middle beach beyond Purgatory Rock. On June, 1899, great numbers of the "Horse-foot" were destroyed by the fishermen. Though formidable in appearance, the claws of this species are so weak that it cannot inflict any injury; and my son handled them freely.
4. *Platyonichus ocellatus* (Herbst). Lady Crab. - Abundant. Many individuals, some very large, were washed ashore during February, March and April. The carapace of the largest specimen preserved measures by mm.
5. *Libinia canaliculata* Day. Spider crab. This large Crab was often washed ashore from February to June, 1899.

75x120; 74x118; 77x115

6. Platycarcinus irratus Say. Measurements
Spotted Sand Crab. Very abundant
at all times. Quantities sold in
the Newport Markets in June, 1899.
Carapace of largest measured 178 by 74 mm.
7. Hippa talpoida Say. Sand-bug.
Easton's Beach. May, 1899.
8. Pagurus pollicaris Say. Warty Hermit Crab.
Found in Fulgor canaliculata and Fulgor carica, Neverita duplicata and Lunaria heros. Very abundant in these shells.
9. Carcinus moeras (Linn.) (= Cancer granulosus Say.).

Crustaceans sent to the U. S. N. M. Jan., 1900.

444. Callinectes sapidus Rathbun. Newport, R. I.
(Easton's Beach). 1899. Claw only. Edible Crab.
445. Callinectes sapidus Rathbun. Newport, R. I. 1900.
Claw only.
446. Platyonichus ocellatus (Herbst). Lady Crab.
Easton's Beach, Newport, R. I. March 10, 1899.
Claw only - very large specimen.
447. Libinia emarginata Leach. Spider Crab.
Large specimen; dry; entire. Easton's Beach,
Newport, Rhode Island. March 10, 1899.
448. Libinia emarginata Leach. Beach at Fort
Adams, Newport, Rhode Island. August 11, 1899.
This (single claw) is the largest I have seen.
- 449-453 Libinia emarginata Leach. Five young
Spider Crabs from the beach at Fort Adams,
Rhode Island. 1899.

454. Platycarcinus irratus Say. Sand Crab
Claw only; the largest seen, measuring 40 by 76 mm.
Newport, Rhode Island. August 11, 1899.
455. Platycarcinus irratus Say. Claw only.
Large, measuring 35 by 74 mm. - the pair.
Newport, Rhode Island. September 4, 1899.
456. Platycarcinus irratus Say. One claw.
Newport, Rhode Island. September 4, 1899.
457. Platycarcinus irratus Say. Entire, desiccated.
Newport, Rhode Island. August 10, 1899.
458. Platycarcinus irratus Say. Entire, desiccated.
Newport, Rhode Island. July 13, 1899.
459. Platycarcinus irratus Say. Entire, desiccated.
Newport, Rhode Island. July 13, 1899.
460. Platyonichus ocellatus (Herbst). Lady Crab.
Carapace from Newport, Rhode Island. 1899.
461. Pagurus pollicaris Say. Warty Hermit Crab.
Newport, Rhode Island. May 13, 1899. In shell
of Lunaria heros.
462. Pagurus pollicaris Say. Claw of a
large individual from shell of Fulgor carica.
463. Platycarcinus irratus Say. 14 Claws
gathered on the beach, at Newport, R. I., in 1899.
464. Platycarcinus irratus Say. A number
of carapaces gathered on the beach at New-
port, Rhode Island, in 1899.
465. Homarus americanus Seba. A collection
of fragmentary specimens, gathered on the
beach, at Newport, Rhode Island, in 1899.
466. Simulus polyphemus Latr. Entire, desiccated
Fort Adams, Newport, R. I. June 16, 1899.

467. *Pagurus pollicaris* Say. One large example (tail gone) from Easton's Beach, Newport, R. I. April 4, 1900. In formalin.
468. *Pagurus pollicaris* Say. One large specimen in the shell of Dunalia heros. Easton's Beach, Newport, R. I. April 4, 1900. In formalin.

Note. - Miss M. J. Rathbun, Assistant Curator of the Division of Marine Invertebrates, reports that the spider-crabs which you forwarded are the young of the species Libinia emarginata.

Signed Geo. P. Merrill
Acting Executive Curator.

- 469 and 470. *Squilla empusa* Day. June 8, 1900.
Found ^{in drifts} just below M. Stone Bridge, at the head of East River, north end of the island of Rhode Island, town of Portsmouth. The first seen by me.
471. *Homarus americanus* (B. & S.) young. With above.
472. *Pagurus pollicaris* Say. Warty Hermit Crab. Unusually large individual in shell of Fulgor carica. Found with Nos 469 to 471.
473. *Homarus americanus* DeKay. Common Marine Lobster. ^{adult.} Caught by a fisherman on a ^{trawling} line to which many hooks were attached for Cod, June 16, 1900, off the island of Rhode Island. Given me by Mr. Charles E. Ash, ^{No. 3 High St Square, Newport, Rhode Island.} for the U. S. National Museum.

(No. 473, *Homarus americanus* - Concluded.) 205
Length of carapace, including rostrum, along median line, 270 mm.; circumference of carapace behind second pair of legs, 493; length of abdomen to point of telson, 310; breadth of tail, 270. Large chelate limbs: right side, length of first two joints, 186; third joint, 116; fourth joint, 370; thumb, 198; circumference of third joint, 215; circumference of fourth joint, 310; length of whole limb, 525. Left side, length of first two joints, 186; 3rd joint, 109; 4th joint, 360; thumb, 162; length of whole limb, 523; circumference of third joint, 255; circumference of fourth joint, 425; total length, 960. Length of longest antennae, 550; distance from rostrum to end of tail, 555; greatest expanse of large chelate limbs, 1025. The crushing claw was on left foot. Weight, 27 pounds!

"Mr. L. P. Gralacaj has determined the species of Barnacle to be: Whelonebia testudinatus (Linna.).
Habitat: Mediterranean, W. coast of Africa, N. E. coast of Australia, Town Bueliflago, Pacific Ocean, west coast of Mexico. Attached to Turtles."

206 Shells from Yellowstone National Park, Wyoming. Identified by Professor William H. Dall, January 12, 1903.

- Limnaea palustris Müller.
Physa gyrina Say.
Planorbis lenticulus Say.
Pyramidula strigosa Gld.

Shells from Rhode Island, identified by Dr. Wm. H. Dall, January, 1903.

- Anomia simplex Orb.
Polygyra thyroidea Say.
" albolabris Say var. "
Melampus bidentatus Say.
Polygyra tridentata Say.
Spirula solidissima similis Say.
Thracia conradi Pouth.
Sphaerium rhomboidem Say.
Vivula proxima Say.
Astarte castanea Say.
Aemaea testudinalis Nutt.
Pijidium abditum Hald.
Limnaea desidiosa Say.
Solenaya velutum Say.
Succinea obliquata Say.
Planorbis parvus Say.
Limnaea lodes Say.

207 A list of Shells collected at Circleville Ohio (Scioto River, Pickaway Co.), by Louis di Zerega Mearns

- Anodonta gigantea Lea.
Strophilus edentulus Say.
Lampsilis ligamentaria Lam.
" parva Bar.
Quadrula undulata Bar.
" rubiginosa Lea.
Truncilla triquetra Raf.
Obovaria lues Lea.
Campeloma subsolidum Anth.

Collected by Dr. Edgar A. Mearns, on the Shenandoah River

" Unio productus Con.? } Identified by
" complanatus Sol. } Chas. Simpson.

See page 251.

210 Mammal Notes continued
from page 100 this volume.

Lake Worden, R. I. Dec. 17, 1900.

4820. Mus musculus. ♂.
148; 70; 74; 19; 22.7; 9.5; 13. Formalin.

4821. Mus musculus. ♂.
157; 78; 81; 19; 23.5; 10; 13. Formalin.

4822. Blarina brevicauda. ♂ ad. In formalin.
117; 24; 31; 14.5; 27.

4823. Peromyscus leucopus novaboraeensis. ♂ ad.
168; 48; 83; 21; 28.5; 11; 15 mm. In formalin.

4824. P. l. novaboraeensis. ♂ imm.
158; 68; 20. Preserved in formalin.

4825. P. l. novaboraeensis. ♂ imm.
158; 68; 20. Preserved in formalin.

4826. P. l. novaboraeensis. ♂ ad.
168; 45; 80; 21.5; 29; 12. In formalin.

Lake Worden, R. I., Dec. 18, 1900.

4827. Peromyscus leucopus novaboraeensis. ♂ imm.
185; 82; 88; 21; 29; 12; 16. In formalin.

4828. P. l. novaboraeensis. ♂ imm.
Preserved in formalin.

4829. Sorex personatus. ♀ ad. In alcohol.
96; 39; 44.5; 12.5; 20; 3.8; 6.7.

4830. Sorex personatus. ♀ ad. In alcohol.
104; 41; 48; 13; 21; 4; 7.

4831. Mephitis mephitis. ♂ ad.
670; 210; 360; 68; 95; 12; 27 mm.
Skin with skull.

4832. Ictidomys inornatus ♀ ad. Formalin.
113; 24; 29; 14; 26; 46¹⁰

4833. Blarina brevicauda ♀ ad. Formalin.
117; 28; 34; 15; 28 mm.

4834. Thomomys hudsonicus ♂ ad.
Front foot 46; 205. Tail deflected.

4835. Erethizon gapperi ♀ ad. In formalin.
126; 33; 40; 19; 27; 8; 12.

4836. Erethizon gapperi ♂ ad. In formalin.
127; 35; 42; 18.5; 26; 7.5; 12.

4837. Thomomys talpoides. ♂ ad.
570; 253; 260; tail width 23; 86; 73; 13; 22.

4838. Otocoris (Lutreola) vison luteocapillus ♀.
Peace Dale reservoir, South Kingston, R. I.

475; 162; 182; 55; 67; 10; 22. nose to angle mouth 25
Diameter of eye 6. nose to eye, 21; 21.

4839. Otocoris (Lutreola) vison luteocapillus ♂ ad.
645; 218; 256; 72; 85; 11; 26; nose to eye 27.
nose to angle mouth, 36; diameter of eye, 7.
Night, 2 lbs. 1.2 oz. Killed on the edge of
Salt Pond, Point Judith, R. I., Dec. 15, 1900.

Lake Worden, R. I. Dec. 19, 1900.

4840. Blarina brevicauda. ♂ ad.
126; 28; 35; 15; 28;

4841. Erethizon gapperi ♀ ad.
128; 34; 41; 19; 26.5; 8; 12.

4842. Sciurus hudsonicus ♂ ad.
333; 138; 196; 51; 54; 13.5; 24 mm.

4843. Peromyscus leucopus novaboraeensis ♀.
165; 44; 80; 21.3; 28; 12; 16.

4844. P. l. novaboraeensis. ♂.
162; 71; 76; 20; 29; 12; 16.

212 (Cape Hatteras, N.C., Dec. 19, 1900 - Concluded.)

4845. Peromyscus leucopus novaboracensis. ♂ imm.
Preserved in formalin.

4846. Microtus pennsylvanicus. ♀ ad.
175; 51; 57; 21; 2; 32; 9; 13.

4847. Microtus pennsylvanicus. ♀ ad.
168; 48; 54; 22.5; 18; 12.

4848. Lepus americanus virginianus. ♂ ad. End h. ft. 730
480; 52; 95; 138; 91; 95; 80. Head & middle line back brown
This and the four following were shot Dec.
19, 1900, in Gauley Neck Swamp, Charles-
town township.

4849. Lepus a. virginianus. ♂ ad. All white. Length
to end high legs, 67; 20; 470; 63; 102; 135; 84; 90; 77.

4850. Lepus a. virginianus. ♀ ad. End high limb,
795; 520; 61; 104; 142; 94; car crown, 98; notch, 79
Considerable brown above.

4851. Lepus a. virginianus. ♂ ad. End high limb
725; 500; 66; 96; 138; 92; 98; 80. Very little brown.

4852. Lepus a. virginianus. ♂ ad. End high limb 750;
490; 50; 90; 143; 91; 93; 78. Considerable brown head & back.

488. Lepus floridanus transitionalis. ♂ ad.
400; 67; 97; 89; 74; 63; 54.

488. L. f. transitionalis. ♀ ad. 390; 57; 85; 90;
67; 64; 53. Preserved in formalin.

4853. L. f. transitionalis. ♂ ad. 405; 59; 90;
93; 79; 62; 54. Preserved in formalin.

Lake Worden, R.D. Dec. 20, 1900.
4854. Peromyscus leucopus novaboracensis. ♂ ad.
Preserved in formalin. Tail gone.

4855. Peromyscus l. novaboracensis. ♀ imm.
Preserved in formalin. Mutilated.

4856. Peromyscus gapperi ♀ ad.

Preserved in formalin. Mutilated
132; 63; 34; 41; 19; 27; 8.5; 12.

4857. Peromyscus gapperi. ♀ ad. 147; 38; 44;
20; 29; 4; 14.

4858. Microtus pennsylvanicus. ♀ ad. In formalin
161; 43; 49; 21.5; 32; 7; 12.

4859. Peromyscus leucopus novaboracensis. ♀ ad.
178; 80; 85; 20; 29; 12; 16.

4860. Peromyscus leucopus novaboracensis. ♀ ad.
170; 79; 84; 21; 28; 12; 16.

4861. Claria brachycanda. ♀ ad.
115; 22; 30; 15; 28.

4862. Claria brachycanda. ♀ ad.
136; 24; 34; 16; 31.

4863. Denurus hudsonicus loquax. ♂ ad.
315; 117; 172; 49; 52; 14; 23.

Lake Worden, R.D. Dec. 21, 1900.

4864. Microtus pennsylvanicus. ♂ ad. This and the
next (No. 4865) were taken on a low, tree-
less island near the middle of Lake Worden.
178; 48; 53; 22; 33.5; 7; 14.

4865. Microtus pennsylvanicus. ♀ ad. Skin & skull.
162; 38; 45; 22; 32.5; 7; 11. From island, Lake Worden.

4866. Microtus pennsylvanicus. ♂ ad. Mainland.
In formalin. 153; 40; 46; 20; 31; 9; 12.

4867. Microtus pennsylvanicus. ♂ juv.
Preserved in formalin.

4868. Mephitis mephitis. ♂ ad. 630; 215;
365; 68; 95; 12; 27. Skin and skull.

4869. Mephitis mephitis. Adult & young. Skeletons
found inside burrow which had been dug out by hunters.
Skull of adult, but not of young.

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214 (Lake Worden, R. I., Dec. 21, 1900 - Concluded.)

4870. Crotomys gafferi ♂ ad.

146; 40; 46; 21; 29; 8; 13.7.

4871. Crotomys gafferi ♀

125; 33; 38; 18.2; 28; 8; 12.5.

4872. Crotomys gafferi ♂

132; 38; 44; 19; 28; 8; 13.

4873. Peromyscus leucopus novaboracensis Fim.
Preserved in formalin.

4874. Peromyscus l. novaboracensis, ♂.

Preserved in formalin.

4875. P. l. novaboracensis, ♀

Preserved in formalin.

4876. P. l. novaboracensis, ♂ ad. Skin & skull.
170; 77; 82; 20; 30; 11.5; 15.5. Light & yellowish.

4877. P. l. novaboracensis, ♂ ad. Skin & skull.
170; 75; 80; 21; 29; 11.5; 15.5. Dark and drabish.

The following are skeletons of Mink,
killed by Henry Whaley and his son
Garder H. Whaley. Together they took 15 Mink
between November 15 and December 20, 1900.

4878. Putorius (Lutreola) vision luteocapillus, ♂ ad.
Salt Pond, Point Judith, R. I. Dec. 6, 1900.
Trapped by Mr. Whaley.

Englis skeleton.

4879. Putorius vision luteocapillus, ♂ ad.

Salt Pond Point Judith, R. I. This and
the six following were killed by Messrs.

about the Salt Pond, Point Judith, R. I.,
and the neighboring fresh-water ponds

4880. Lutreola vision luteocapillus, ♂ ad. Dec. 6, 1900. 215
The tail ended in a very white like tuft.

4881. Lutreola vision luteocapillus, ♂ ad. See above

4882. " " " " ♂ ? "

4883. " " " " ♀ ? "

4884. " " " " ♀ ? "

4885. " " " " ♀ ? "

Lake Worden R. I. Dec. 22, 1900.

4886. Peromyscus leucopus novaboracensis, ♂ ad.

Tail gone. Preserved in formalin.

4887. Peromyscus leucopus novaboracensis, ♂ ad.

180; 85; 90; 22; 29; 11.5; 15.5. In formalin.

4890. Urocyon cinereoargenteus. Skull
of a specimen mounted by Mr. J. William
Critchley of 354 Westminster St., Providence
R. I. (Mr. C. substituted another skull and
gave me this one). Killed at Cleyde, R. I.,
November 7, 1900, towards Phoenix and River mouth, W. I.
Critchley mounts 2 or 3 Gray Foxes from
R. I. each season.

Lake Worden, R. I., Dec. 23, 1900.

4891. Lemus floridanus transitionalis, ♀ immat.

390; 150; 80; 90; 74; 54; 49. Sk. & skull.

Fort Adams, Newport, R. I. Jan. 3, 1901.

4892. Mus decumanus, ♂ ad. 460; 220; 224;

4904. 46; 57; 16; 22. Trapped in my quarters.

Preserved in formalin. Metal tag no. 4872.

Specimens of Mammals
Collected in the Lake Worden region,
Rhode Island, November 21 to December 24, 1900.

1. Red Squirrel	12
2. Gray Squirrel	3
3. House Mouse	8
4. House Rat	1
5. Buck Mouse*	102
6. Red-backed Mouse	24
7. Meadow-mouse	34
8. Muskrat	4
9. Cottontail	20
10. Varying Hare	12
11. Gray Fox (skull)	1
12. Skunk (one skeleton and 2 skins)	3
13. Mink (8 skeletons & 3 skins)	11
14. New-York Weasel	3
15. Masked Shrew.	19
16. Short-tailed Shrew.	18

*One Buck mouse was sent me from Lake packet, R. I.

16 species. Total 275 specimens

The following were sent to J. William Critchley's, for the museums at Newport & Providence.

Lepus americanus virginianus. nos. 4619 (skin) 4751, mttd.

" floridanus transitionalis. nos. 4725,

Putorius novaboracensis. No. 4638, ♀ ad. mounted.

Putorius v. lutreoccephalus. No. 4786 ♂ ad. "

Ereotomys gapperi. Nos. 4639, 4640, 4756, ♂ ad., "

Sorex personatus. Nos. 4659, 4660 "

Sciurus hudsonicus loquax ad. no. ? "

January 1, 1901. Conanicut Island
Narragansett Bay, Rhode Island.

✓ 4892. Fiber zibethicus. ♂ mi. Skin and skull.
565; 272; 279; 18; 74; head, 80 (skull broken);
ear cr., 15; ear notch, 22.

✓ 4893. Fiber zibethicus. ♀ mi. Skin and skull
510; 220; 227; tail width, 16; hind foot, 77; head ft.,
15; 21 mm.

✓ 4894. Fiber zibethicus. ♂ mi. Skin and skull
562; 275; 282; tail width, 19; h. ft., 81;
head, 75; ear cr., 18; notch, 23.

✓ 4895. Fiber zibethicus. ♀ mi. In formalin
565; 257; 264; tail width, 17; 80; 79 (skull broken);
ear crown, 17; ear from notch, 22. Metal tag No. 4873

✓ 4896. Fiber zibethicus. ♂ mi. In formalin
542; 258; 267; tail width, 19; h. ft., 80; 77 (skull broken)
15; 21 mm. Metal tag, No. 4575.

✓ 4897. Fiber zibethicus ♀ ad. In formalin.
580, 250, 282; tail 220 Metal tag No. 4874
580; 250; 260; tail width, 18; hind foot, 79;
head, 80; ear above crown, 16; above notch, 23.
Perhaps this is the mother of the above five?

4898. Procyon lotor. ♀ ad. West Greenwich, R. I.,
December, 1900. Skull only.

4899. Procyon lotor. ♀ ad. do do

4900. Putorius (Lutreola) vison lutreoccephalus. ad.
Manton, R. I., December, 1900. Skull only.

4901. Putorius (Lutreola) vison lutreoccephalus. do do

4902. " " " " " "

4903. Mephitis mephitis. Manton, R. I.
December, 1900. No 4904 on p. 215

218 Fort Adams, Newport, Rhode Island

July 19, 1901.

Phocaena phocaena. - A Harbor Porpoise came ashore at Brenton's Point, about July 5th, 1901, when seen was decomposing; will try to get skull later.

Tursiops tursio. Two skulls in the collection of the Newport Natural History Society, came ashore at Easton's Beach several years ago.

July 23, 1901.

A Larger Brown Bat (Vesperilio fuscus) seen at my house. The first Bat seen this summer. (4905 to 5239 are Mammals collected in Florida, January ~~1900~~ to May, 1901. Entered in Field Register No. , pages 100 to 130.)

5240. Phocaena phocaena - ad. Stranded at Brenton's Point, Newport, R.I., July 5, 1901. Skull preserved.

August 21, 1901.

Bats. - One seen this evening. One or two appear each evening. I think them Red Bats.

September 13, 1901.

A Harbor Porpoise (Phocaena phocaena) washed ashore at Brenton's Point a day or two ago. It is entire and measures $3\frac{1}{2}$ feet in length. Hope to get skeleton later

F.A. Adams, Newport, R.I. Nov. 25, 1901. 219

5241. Blarina brevicauda fad. In formalin. 122; 27; 33; h. ft., 16; head, 30;

5242. Microtus pennsylvanicus. ♀. In formalin. 166; 48; 54; h. ft., 22; head, 33.

5243. Mus musculus ♂ ad. Old. In formalin. 188; 92; 95; h. f. 18.8; head, 28; ear, crown, 11.

5244. Mus musculus ♂ juv. in formalin. 163; 78; h. ft., 18.

Third Beach, Middletown, Island of Rhode Island.

December 28, 1901.

5245. One vertebra of some species of Dolphin.

Fort Adams, Newport, R.I. Jan. 9, 1902

To-day a fisherman found a Harbor Seal caught in his net set in Brenton's Cove.

Fort Adams, Newport, R.I. Febr. 24, 1902.

5246. Phoca vitulina ♂ ad. Taken in a net in Brenton's Cove. From end of nose to end of caudal vertebrae, 1250 mm.; tail vertebrae, 140; tail to end of hairs, 150; tail width, 50; from end of nose to angle of mouth, 86; to eye, 84; to ear, 136; to occiput, 220; girth of body, 925; pes, length, 205 (from ankle joint, measured on outside); expanse of pes, 320; claws (from above downward with flukes in their natural (vertical) position); 16; 20; 23; 22.5; 25; length of manus (from carpal

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5303

5268. Cervus canadensis (Erxleben).
Mammoth Hot Springs, Y. N. Park, Wyoming.
5304. Spring of 1902. Skull (broken).
5269. Cervus canadensis (Erxleben). ♂ ad.
Skull (imperfect) with Horns. Found at Mammoth Hot Springs, spring of 1902.
5270. Cervus canadensis (Erxleben). ♀.
Skull. Mammoth Hot Springs. Found in April, 1902 (taken Oct. 17, 1902).
5271. Cervus canadensis (Erxleben). ♂ ad.
Pair of diseased horns, found on Black-tail Deer Creek, by Lieutenant Rosecrans in 1901.
- 5272 to 5281. Cervus canadensis (Erxleben) ♂ ad. &
Ten single shed horns from the vicinity of Mammoth Hot Springs, Yellowstone National Park, Wyoming. Found during the spring of 1902.
5282. Bison Bison (Linnaeus).
Skull found at Mammoth Hot Springs, Yellowstone National Park, Wyoming, in 1902.
5283. Bison bison (Linnaeus). Skull do
5284. " " " " do
5285. " " " horn core do
5286. " " " horn do
5287. Ovis canadensis Shaw ^{found in Aug. 1902, Soda Butte, Y. N. P., Montana}
_{summer of 1902. Swan Lake Flat.} Part of skull. do
5288. " " " Skull to ♀?
_{Burnside Peak, Oct. 5, 1902}
5289. " " " do ♀
5290. Cervus canadensis (Erxleben). juv.
Head of Black-tail Deer Creek, Y. N. Park, Wyoming.

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juv.

5291. Cervus canadensis (Erxleben).

Hayden Valley, Y. N. P., Wyoming.

5292. Cervus canadensis (Erxleben).

Hayden Valley, Y. N. P., Wyoming.

5293. Canis familiaris L.? Skull found at Mammoth Hot Springs, Wyoming. Spring, 1902.5294. Canis lutes.Skull
of a Coyote. Mammoth Hot Spring, Yellowstone National Park, Wyoming. Spring of 1902.5292. Canis lutes

do. Skull.

5295. "

5296. "

5297. VulpesSkull.
Killed at Mammoth Hot Springs, Yellowstone National Park, Wyoming during winter of 1901-'02.5298. Vulpes

do. Pair of mandibles.

5299. Homo sapiens americanus Linnaeus.^{by J. R. Clark}
Found near Soda Butte, Y. N. P., Wyoming.5300. Canis lutesCoyote skull, weathered, without mandibles.
Mammoth Hot Springs, Y. N. Park, Wyoming. 1902.5301. Putorius.A small white Weasel. Part of skin and skull.
on Glen Creek)
Found near Mammoth Hot Springs, Y. N. P., Wyoming.
Had probably been killed by some raptorial bird.

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5418

~~5305.~~ Cervus canadensis. ♀ ad. Found on the
Madison River, Yellowstone National Park, Montana,
August 2, 1902. The animal had died while the
horns were in velvet, a ^{the horn} old had been discarded on
account of the bad odor, and left at the roadside.

Mollusks.

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Fort Adams, Newport, Rhode Island.

1. Venus (Mercenaria) mercenaria Linnaeus
The Common Clam is abundant on Narragansett Bay, though very few shells are seen on the Ocean beaches.
2. Mercenaria nolata Day. - Uncommon on the beach on east side of Fort Adams reservation.
3. Hemimactra solidissima Chem. -
The big Sea Clam seldom comes into the Bay around Fort Adams, but is common on the ocean beaches.
4. Mya arenaria Linnaeus. Soft Clam. - Abundant in Narragansett Bay.
5. Mactra lateralis Day. - This small clam is found on all the beaches, but most commonly on the ocean edge.
6. Arcia pectata Day. This roundish, deeply fluted bivalve is ^{sometimes} commonly found dead on the ocean beaches.
7. Mytilus edulis Linnaeus. - The common smooth mussel is abundant everywhere on rocks.
8. Modiola plicatula Lamk. The fluted mussel is burrows in bogs on the shores of the bay and ocean.
9. Solen (Ensis) americanus Gould. - The small razor clam is abundant on the ocean beaches. The razor clam of the muddy banks of Narragansett Bay are larger.

10. Neverita duplicata Say. — This beautiful univalve is very abundant on the ocean beaches, rarer in Narragansett Bay, associated with the following.
11. Lunaria heros Day. — Very abundant on the ocean beaches, rarer in the Bay.
12. Pyurula (Tulgar) canaliculata Leimaeus. This large Periwinkle is fairly common on the bay and ocean. Egg cases are numerous on the shores.
13. Pyurula (Tulgar) carica Gmelin. Not quite so numerous as the preceding.
14. Pecten
Abundant except on rocky shores.

Specimens sent to U. S. Nat. Mus.

May 10, 1899.

Good series of the oyster, Mytilus edulis, Modiola plicatula, Lunaria heros, Neverita duplicata, Pecten, etc., numbering about 60 species were sent to the U. S. Nat. Mus. May 19, 1899.

15. Thraeria conradi Conklin. — One valve, Easton's Beach, Newport, R. I., May 23, 1899.

4477. Limax — Several slugs taken on metal mammal traps set in a sphagnous swamp on Conanicut Island, December 3, 1899. Preserved in formalin in a small phial.

In Proceedings Newport Nat. Hist. Soc., 253
Document No. 3, May 9, 1885, in an article on some bivalves of Newport, the "Pecten pleuronectes" or flounder scallop" is described as having one valve strongly colored and the other plain white.
"Pecten latiauratus" or dancing scallop" is said to be our common edible species.
"Solen ensis" or razor case."
"A Unio from Easton's Pond."

"Dr. Dall is not especially desirous of requiring the larger shells from the littoral zone at Newport, although he would be glad to obtain specimens of any of the following: Rissoa, Olostomia, Perithopsis, Bittium, Assiminea and the like."

(Jan. 26, 1900.) H. W. True."

Obtained numerous specimens each of three species of Helicidae at Hanging Rock, Newport, Rhode Island, April 4, 1900.

H. W. Porch, Sergeant Battery "A", 7th Artillery, U. S. Army, writing from Fort Greble, Dutch Island, R. I., May 24, 1900, says: "Please find enclosed herewith an unpolished shell from Ft. Greble shore. Three of them washed ashore day before yesterday at the Light-House, and after Captain King took the meat from them he gave me one." A good specimen of Sycotypus canaliculatus without gills.

254 Mollusks sent to the American
Museum of Natural History.

- No. 7499. Fulgor carica Gmelin. Second Beach,
Newport, Rhode Island. April 24, 1899. Egg case.
- No. 7500. Fulgor carica Gmelin. Second Beach,
Newport, Rhode Island. April 24, 1899.
7501. Ditto. Easton's Beach, Newport, R. I. April 24, 1899.
7502. " do do
7503. " Third Beach, Newport, R. I. April 21, 1899.
7504. " do do
7505. " Easton's Beach, Newport, R. I. Nov. 21, 1899.
7506. ("operculum is wanting in each of above specimens.) March 11, 1900.
Sycotyphus canaliculatus Linne.
7507. Easton's Beach, Newport, R. I. May 25, 1899. Egg case.
3508. Brenton's Cove, Narragansett Bay, near Newport, R. I. Feb. 25, 1899
3509. Second Beach, Newport, R. I., April 24, 1899. No operculum.
- 3510 do do With operculum.
- 3511 do do No operculum.
- (3513. Third Beach, Newport, R. I. Dec. 16, 1899. No operculum.
3512. Fort Adams, R. I. Dec. 25, 1899. With operculum.
3514. do do No operculum.

Neverita duplicata Say.

3515. Easton's Beach, Newport, R. I., March 13, 1900. ^{63x37 mm.} With operculum
3516. do April 4, 1900. " "
3517. do Febr. 27, 1899. " "
3518. do April 4, 1899. " "
3519. do do " "
3520. do May 15, 1899. " "
3521. do do Without "

Lunaria heros Say.

- No. 3522. Easton's Beach, Newport, R. I. March 13, 1899. With operculum.
3523. do April 21, 1899 " "
3524. do do " "
3526. do April 24, 1899. " "
3527. do do " "
3528. do do Without "
3529. Second Beach, Newport, R. I. 102x86 mm. do "
(Biggest one from Chepashet,
R. I., measured 125x65x38 mm.
Sept. 7, 1900)

Fort Snelling Minn.

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Specimens preserved in formalin: —

5056 and 5057. Rana

April 8, 1903. Shot on bank of Minnesota River.

5058 and 5059. Striped Snakes do

5060. Striped Snake. April 10, 1903. Trapped. do

5076. Lemias Apr. 11, 1903. "

— Amblystomae tigrina. " "

5445 Rana Apr. 17, 1903 "

Sergeant H. W. Parch, Battery "A" 7th Artillery,
writing from Fort Griswold, Dutch Island, Narragansett Bay, R. I., May 24th, 1890 says:—

"As I was strolling about the Island this noon, I captured these two bugs (Coleoptera). They were lying on their backs and with their legs and feet were moving a dead snake which was about 15 inches in length. I watched them move it about two feet. I moved the snake from them, and they both stopped moving and lay as if they were dead (playing possum)."

Newport Natural History Society.

THE NATIVE MAMMALS OF RHODE ISLAND.

One of the objects of the Newport Natural History Society is the collection and preservation of specimens and facts relating to the native products of the State of Rhode Island. The undersigned has been requested to prepare a circular of inquiry respecting the mammals of this State, for the purpose of eliciting as much information as possible concerning them, with a view to preparing an authoritative list of the mammals which have inhabited Rhode Island during the period of its occupation by the Whites, and of any fossil species whose remains have been found within the State.

Some of the largest animals have already disappeared from Rhode Island, and others are on the verge of extinction. It is extremely unfortunate that any of our native mammals should have been allowed to pass away without so much as a record of their characters and peculiarities having been preserved. To provide against such a calamity in the future, the Newport Natural History Society proposes to preserve specimens and records of all that remain. To this end, an historic collection of State Mammals is being formed. The Society is especially desirous of obtaining without delay all of the species of mammals that are in imminent danger of extinction.

Living or mounted specimens, skins, bones (especially skulls), teeth, horns, nests, and all materials relating to Rhode Island mammalogy, will be welcome additions to the Society's museum, and will be gratefully received, acknowledged, and registered. They should be marked "specimens for the Newport Natural History Society," and sent to the address given below. The writer will be pleased to identify and return any specimens sent to him for determination.

Of fossil mammals and those which have been extirpated within the historic period, any remains, however imperfect or fragmentary, such as bones, teeth, horns, etc., should be sent to the Society's museum for preservation, as they are exceedingly precious. A jaw or horn of an Elk or Moose, dug from the soil of Rhode Island, would be much more valuable than a perfectly mounted specimen of the same animal from some other region.

The species of recent mammals which have been positively ascertained to belong to the fauna of Rhode Island are below enumerated, in list *A*; those whose presence or occurrence is supposed to be probable, on the ground of their having been found in the adjacent States or waters, are given in list *B*.

Respecting each of the animals given in lists *A* and *B*, information is requested as follows:—

- a. Does it live in your locality at present? If so, is it common or rare?

- b.* If formerly present, but now extinct, give particulars concerning its extirpation, and the dates when the last individuals were seen or killed.

- c. How many young are produced, and at what season?
d. Describe its nest, burrow, or habitation.

- d. Describe its nest, burrow, or habitation.

- c. Give the times—exact dates when possible—of appearance and disappearance of such species as are migratory (e. g. the Red Bat), and of such as hibernate (Woodchuck, Jumping-mouse, etc.)

- f. In what manner is it injurious or beneficial to man, in your district? (In the cases of noxious species, state the number destroyed during current and preceding years, and give the amounts paid out in bounties offered for their destruction; also give statistics or estimated numbers of food species annually sent to market, and of pelts of fur-bearing animals taken, together with any other facts relative to their economic uses.)

- g. Give as many facts as you can, concerning the habits, actions, voice, traits, and general characteristics of each. If attempts have been made to breed any species in confinement, for economic uses, state with what result.

- h. Add any information in your possession, supposed to be of interest in connection with Rhode Island mammals.

- i. Name any species of mammals which have been found in Rhode Island, not given in list A, giving as full particulars as possible respecting each.

- j. Give the names and addresses of persons who are especially interested in hunting or trapping mammals, and especially of those who deal in skins or have formed collections of specimens.

- k.* Give full particulars concerning the discovery, at any time, of bones, teeth, horn or other remains of mammals in this State, and if possible describe their present location and condition.

A. LIST OF THE WILD MAMMALS KNOWN TO HAVE INHABITED
THE STATE OF RHODE ISLAND DURING THE HISTORIC PERIOD.*

1. OPOSSUM. *Didelphis virginiana* Kerr.
 2. COMMON BOTTLE-NOSE PORPOISE. *Tursiops tursio* (Fabricius).
 3. COMMON DOLPHIN. *Delphinus delphis* Linnaeus.
 4. HARBOR PORPOISE; PUFFING PIG; SNUFFER. *Phocoena phocina* (Linnaeus).
 5. BLACKFISH; PILOT WHALE. *Globicephalus melas* (Traill).
 6. WHITE WHALE; BELUGA. *Delphinapterus leucas* (Pallas).
 7. BOTTLE-NOSE WHALE. *Hyperoodon rostratus* (Chemnitz).
 8. SPERM WHALE. *Physeter macrocephalus* Linnaeus.
 9. RIGHT WHALE. *Balaena eisarctica* Cope.
 10. FIN-BACK WHALE. *Sibbaldius tectirostris* Cope.
 11. VIRGINIAN DEER. *Odocoileus virginianus* (Boddaert).
 12. MOOSE. *Alce americanus* Jardine.

*All are native except the House Rat and House Mouse. Several naturalized races of Man (*Homo sapiens* Linneus) are omitted, among them the subspecies *europeanus*, *asiaticus*, and *afer*, all of Linneus; but the native Red Man is included.

13. SOUTHEASTERN RED SQUIRREL. *Sciurus hudsonicus loquax* Bangs.
 14. NORTHERN GRAY SQUIRREL. *Sciurus carolinensis leucotis* (Gapper).
 15. NORTHEASTERN CHIPMUNK. *Tamias striatus lysteri* (Richardson).
 16. WOODCHUCK; GROUNDHOG. *Arctomys monax* (Linnaeus).
 17. SOUTHERN FLVING SQUIRREL. *Sciuropterus volans* (Linnaeus).
 18. AMERICAN BEAVER. *Castor canadensis* Kuhl.
 19. HOUSE MOUSE. *Mus musculus* Linnaeus.
 20. HOUSE RAT; WHARF RAT. *Mus decumanus* Pallas. *Mus norvegicus*
 21. NORTHEASTERN DEER MOUSE; BUCK MOUSE. *Peromyscus leucopus*
 noveboracensis (Fischer).
 22. COMMON RED-BACK MOUSE. *Eotomys gapperi* (Vigors).
 23. COMMON MEADOW-MOUSE. *Microtus pennsylvanicus* (Ord).
 24. NORTHERN PINE MOUSE. *Microtus pinetorum scalopsoides* (Audubon
 and Bachman).
 25. MUSKRAT. *Fiber zibethicus* (Linnaeus).
 26. MEADOW JUMPING-MOUSE. *Zapus hudsonius* (Zimmermann).
 27. NORTHEASTERN COTTONTAIL. *Lepus floridanus transitionalis* (Bangs).
 28. SOUTHERN VARYING HARE. *Lepus americanus virginianus* (Harlan).
 29. NORTHEASTERN PANTHER. *Felis oregonensis hippolestes* (Merriam).
 30. WILDCAT. *Lynx rufus* (Gueldenstaedt).
 31. RED FOX. *Vulpes fulvus* Desmarest.
 32. TIMBER WOLF. *Canis occidentalis* (Richardson).
 33. BLACK BEAR. *Ursus americanus* Pallas.
 34. RACCOON. *Procyon lotor* (Linnaeus).
 35. NORTHEASTERN OTTER. *Lutra canadensis* (Schreber).
 36. SKUNK. *Mephitis mephatica* (Shaw). *Chinchilla putida* (*Boitare*)
 37. SOUTHEASTERN MINK. *Putorius* (*Lutreola*) *vison lutreoccephalus* (Har-
 lan).
 38. BONAPARTE WEASEL. *Putorius cicognanii* (Bonaparte).
 39. NEW YORK WEASEL. *Putorius noveboracensis* Eminons.
 40. FISHER. *Mustela pennanti* Erxleben.
 41. GREENLAND SEAL; HARP SEAL. *Phoca granlandica* Fabricius.
 42. HARBOR SEAL. *Phoca vitulina* Linnaeus.
 43. MASKED SHREW. *Sorex personatus* I. Geoffroy St Hilaire.
 44. SHORT-TAIL SHREW. *Blarina brevicauda* (Say).
 45. STAR-NOSE MOLE. *Condylura cristata* (Linnaeus).
 46. SILVERY BAT. *Lasionycteris noctivagans* (Le Conte).
 47. LARGER BROWN BAT. *Vespertilio fuscus* Beauvois.
 48. HOARY BAT. *Lasiurus cinereus* (Beauvois).
 49. RED BAT. *Lasiurus borealis* (Müller).
 50. RED MAN; AMERICAN INDIAN. *Homo sapiens americanus* Lin-
 naeus.

NOTE.—The mammals inhabiting the islands off the coast of Rhode Island, including those of Narragansett Bay, are of special interest, and lists of the species belonging to each island are much desired. A distinct species of Meadow-mouse (*Microtus nesophilus* Bailey) is restricted to two small islands in Long Island Sound, New York; and Mr. Outram Bangs, who has collected the mammals of Block Island, R. I., and compared them with the mainland forms which they represent, is of the opinion that some will require separation. Critical comparisons of all our insular mammals with those of the mainland will perhaps result in other additions to the present list than those which are expected to result from Mr. Bangs's studies of the Block Island species.

*A 'Light Brown or Wood Bat,' familiar to Mr. Frank Blake Webster, at Lonsdale and Daggett's, Rhode Island, from 1867 to 1884, was probably a species of *Myotis* or *Pipistrellus*.

✓ This should stand as *Episyns norvegicus* (Erxleben).
✓ This should stand as *Mephitis pritella* Boitard.

B. LIST OF THOSE SPECIES OF RECENT MAMMALS WHOSE OCCURRENCE
IN RHODE ISLAND MAY BE LOOKED FOR WITH SOME DEGREE OF PROBABILITY.*

1. STRIPED DOLPHIN. *Lagenorhynchus acutus* Gray.
2. KILLER. *Orca orca* (Linnaeus).
3. GRAY GRAMPUS; COW FISH. *Grampus griseus* (Cuvier).
4. NORTHEASTERN FOX SQUIRREL. *Sciurus ludovicianus vicinus* Bangs.
5. SOUTHEASTERN CHIPMUNK. *Tamias striatus striatus* (Linnaeus).
6. CANADIAN FLYING SQUIRREL. *Sciuropterus sabrinus macrotis* Mearns.
- * 7. BLACK RAT. *Mus rattus* Linnaeus.
8. CANADIAN DEER MOUSE. *Peromyscus canadensis* (Miller).
9. CAVE RAT. *Neotoma pennsylvanica* Stone.
10. NEW JERSEY RED-BACK MOUSE. *Erythomys gapperi rhoadsi* Stone.
11. ROCK VOLE. *Microtus chrotorrhinus* (Miller).
12. BOG LEMMING. *Synaptomys cooperi* Baird.
13. WOODLAND JUMPING-MOUSE. *Napozapus insignis* Miller.
- * 14. CANADIAN PORCUPINE. *Erethizon dorsatum* (Linnaeus).
15. SOUTHEASTERN COTTONTAIL. *Lepus floridanus mallurus* (Thomas).
16. CANADIAN LYNX. *Lynx canadensis* (Kerr).
- * 17. GRAY FOX. *Urocyon cinereoargenteus* (Schreber).
18. WOLVERINE. *Gulo luscus* (Linnaeus).
19. NORTHEASTERN MINK; LITTLE BROOK MINK. *Putorius (Lutreola) vison vison* (Sehreber).
20. MARTEN. *Mustela americana* Turton.
- * 21. HOODED SEAL. *Cystophora cristata* (Erxleben).
22. WATER SHREW. *Sorex (Neosorex) albobarbis* (Cope).
- * 23. SMOKY SHREW. *Sorex fumeus* Miller.
24. BIG-TAIL SHREW. *Sorex macrurus* Bachelder.
25. HOY SHREW. *Sorex hoyi* Baird.
26. SMALLER SHORT-TAIL SHREW. *Blarina parva* (Say).
27. NAKED-TAIL MOLE. *Scalops aquaticus* (Linnaeus).
28. HAIRY-TAIL MOLE; BREWER MOLE. *Parascalops breweri* (Bachman).
29. LITTLE BROWN BAT. *Myotis lucifugus* (Le Conte).
30. SAY BAT. *Myotis subulatus* (Say).
- * 31. GEORGIAN BAT. *Pipistrellus subflavus subflavus* (F. Cuvier).
32. DUSKY BAT. *Pipistrellus subflavus obscurus* Miller.

NOTE.—Among fossil mammals, species of the Walrus, Peccary, Horse, Elephant, Mastodon, and the Beaver-like *Castoroides*, are to be looked for

*These have been found in neighboring States or waters. Some are now extinct, but records or remains of them may exist.

? * *Cervus canadensis* [Elk?]

EDGAR A. MEARNs.

Prepared and signed at the request of the Newport Natural History Society
by Doctor EDGAR A. MEARNs, U. S. A., to whom replies may be addressed,
at Fort Adams, Newport, R. I.

Published by order of the Council,

AMORY AUSTIN, Secretary. A. O'D. TAYLOR, President.

* Since added to the fauna of R. I.

11.5

1855

684 $\frac{1}{2}$

1000 ft. above sea level

No. 1 Saccostoma ciliolansis ♀ imm.
Lexington, Ky. Dec. 21, 1898.

L 18; Throat 14; Body 8 $\frac{3}{4}$; Head least, 2 $\frac{1}{2}$.
Gills 14; Measures

O.W. Bush
Hofford Gunter, Lex.

Mr. William Barton
Providence R. I.
One 20-20 Westminster St.)

	Station
1. <u>Alpestris</u>	Hibbing
2. <u>hoyti</u>	madison
3 <u>praticola</u>	everywhere

In Minnesota praticola is the only breeding form of Otocoris.

Alpestris breeds N.E. of Minn.
Hoyti .. directly N. of "
Arcticola .. in Alaska
Erythrophrys .. N.W. a short distance
Pencolasma .. so far west &
 so little north of minnesota
 that there are no records.
 for the State.

February 27, 1903. Ft. Snelling, Minn.

Warm weather and rains have recently
melted so much of the snow and
ice that about half of the ground
is bare.

During the past few days Horned Larks
have been abundant.

To-day the first Lapland Longspurs
were heard.

A number of Crows first arrived
to-day.

Blarina brevicauda
from Rhode Island.

- | | |
|---|----------------------------------|
| 4440 ♀ ad. ♀ 57. Skin? | 4706. ♀. ♀. 92. Skin? |
| 4441. - ad. Nov. 19, 1899. H. E. Adams. Formalin. | 4715 ♂ ad. ♀. " " |
| 4445. ♀ ad. ♀. 57 do skin? | 4739 ♂ ad. ♀. 94 " " |
| 4446 ♀ imm. ♀ do " " | 4788 ♀ ad. ♀. 98 skull only. |
| 4447 ♂ ad. " " do " " | 4789 ♀ ad. " " Skin? |
| 4448 ♀ imm. " " do " " | 4790 ♀ ad. " " " |
| 4449 ♂ ad. " " do " " | 4809 ♀ ad. " " " |
| 4452 ♀ " " 58. Skin? | 4822 ♂ ad. " 210 Formalin. |
| 4453 ♀ " " " | 4832 ♀ ad. " 211 Skin? Formalin. |
| 4454 ♂ imm. " " " | 4833. ♀ ad. " " " Formalin. |
| 4455 ♂ " " " | 4840 ♂ ad. " " Skin? |
| 4458 ♀ ad. " " " | 4861 ♀ ad. " 218 " |
| 4459 ♀ imm. " " " | 4862 ♂ ad. " " " |
| 4461 ♀ " " " | 5241 ♀ ad. " 219 Formalin. |
| 4463 ♂ ad. " 59. " | |
| 4464 ♂ ad. " " " Am. Mus. N.H. | |
| 4468 ♀ ad. " 60. " | |
| 4469 ♀ " " " | |
| 4470 ♀ " " " | |
| 4471 ♀ " " " | |
| 4475 ♀ ad. " 61. " | |
| 4476 ♂ ad. " " " | |
| 4501 - ad. " 72 Formalin. | |
| 4509 ♀ ad. " 73 Skin? | |
| 4510 ♀ ad. " " " | |
| Tot. | |
| 4536, ad. ♀. 76. Fragmentary skulls. | |
| 4543 ♂ ad. " 78. Formalin. | |
| 4546 ♀ ad. " 79. " | |
| 4562 ♂ ad. " 81. " | |
| 4567 ♂ ad. " 82. Skin? | |
| 4597 ♀ ad. " 84. " | |
| 4600 ♀ ad. " " Formalin. | |
| 4601. ♀ ad. " 85. Skin? | |
| 4617. ♀ ad. " 86. " | |
| 4618. ♀ ad. " 86. Formalin. | |
| 4622. ♀ ad. " " Skin? | |
| 4658. ♀ ad. " 88. " | |
| 4664. ♀ ad. " 89. " | |
| 4676. ♀ ad. " 90. " | |
| 4693. ♀ " 91. " | |

Louis di Zerega Mearns also collected many specimens of *Blarina* in Rhode Island.

Microtus pennsylvanicus from R. I.

4431. ♂ ad. skull only.	4561. ♀ juv. p. 81. Formalin.
4437. ♀ juv. p. 57 skin?	4563 — " " colltd. N.H.S.
4438 ♀ ad. "	4623. ♀ juv. " 86 Skin?
4439 ♀ ad. "	4632 ♀ ad. " 87 "
4442 - juv. p. 57 Formalin	4633 ♀ juv. " " "
4450 ♀ juv. p. 58 skin?	4634 ♀ juv. " " "
4451 ♂ p. 58 "	4666 ♀ juv. " " "
4457 ♀ ad. Am. Mus.	4677. ♀ ad. " 90 "
4460 ♂ ad. " skin?	4678. ♀ ad. " " "
4467 ♂ juv. p. 60 "	4679. ♀ ad. " " "
4473. ♂ ad. " " Am. Mus.	4688 ♀ ad. " 91 "
4474. ♂ " "	4689 ♀ ad. " " "
4480 ♀ juv. p. 62 "	4699 ♀ ad. " " "
4484. ♂ ad. p. 64 "	4700 ♀ ad. " " "
Val. begin skulls	4701 ♀ juv. " " "
4535. ad. p. 76 skulls.	4702 ♀ " " "
4547. ♂ ad. " 79 Formalin	4703 ♀ " 92 "
4548. ♀ juv. " Skin?	4708 ♂ " " "
4549. ♂ juv. " 80. Formalin	4709 ♀ " " "
4551. ♀ juv. " " "	4718 ♂ " 93 "
4552. ♂ juv. " " "	4719 ♀ " " "
4553. ♂ juv. " 4 "	4729 ♀ ad. " " "
4554. ♂ juv. " "	4730 ♀ juv. " " "
4557. ♀ juv. " 81 "	4758 ♀ juv. " 96 "
4560. ♂ juv. " "	4759 ♀ ad. " " "
	4770 ♀ juv. " 97 "
	4811 ♀ ad. " 100 "
	4812 ♂ ad. " " "
	4846 ♀ ad. " 212 "
	4847 ♀ ad. " " "
	4858 ♀ ad. " 213 Formalin
	4864 ♂ ad. " " Skin?
	4865. ♀ ad. " " "
	4866 ♂ ad. " " Formalin
	4867 ♂ juv. " " "
	(5242 ♀ " 219 "
	5239 ♀ juv. " 81 Skull.
	4557. ♀ juv. " 81 "
	4560. ♂ juv. " "

The following are substituted numbers attached to specimens preserved in formalin: "3721 Macrodotte. — yg.

3768 ♂ ad. good.
3762 ♂ ad. " later
3773 ad. partly eaten
3798 ♂ good.
3725 ♂ good.
3756 young.

Sorex di Dingo Mearns also
collected many specimens
of Microtus pennsylvanicus
in Rhode Island. Presented
to Prof. Steens. Del. Autobus
Bang.

May 5 to 24, 1900.

Fish Hawk. - Doctor Ramsay tells me
that about 150 pairs of Fish Hawks bred on
Plum Island, N.Y. in 1900. The nests
are in trees by some ponds on the
Island.

Sparrow Hawk. - One

Robins. - 1

Kingfishers - 2

Owls - 1

Lump Fish
Shad
Bellows Fish
Tataug
Buntings
Weak Fish

3 Canada Geese (tame) left and came
back with 2 others, which stayed a while
& then left.

Young eaten by Snapping Turtles in fresh-water pond.

Mammals. - Duck Mice, Kangaroo
Jumping Mice. Rabbits (all drowned).

Mr. Degen,

Quartermaster Inspector

Fort Ticonderoga, N.Y.

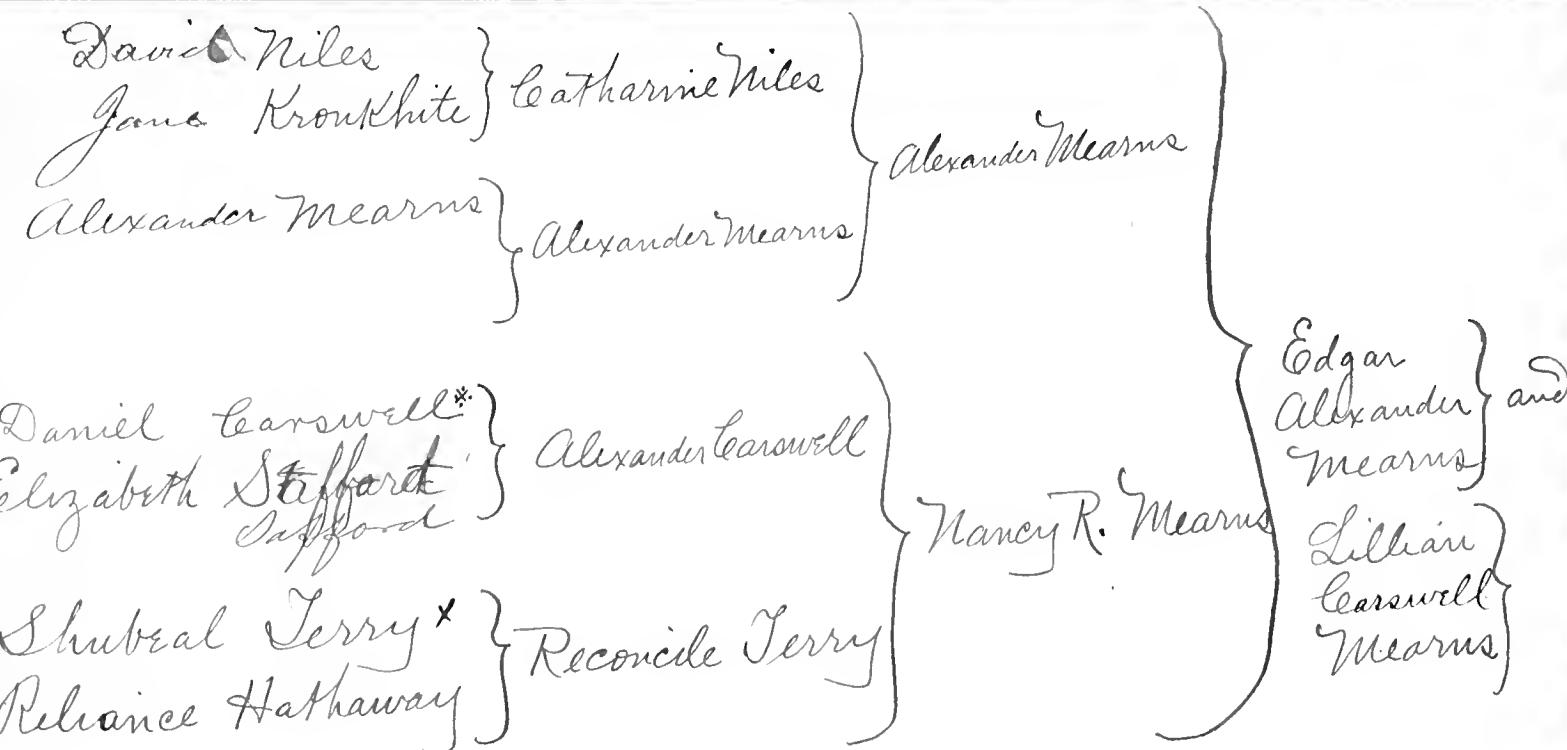
Mr. Clark, Post Master

Doctor G. Douglass Ramsay

1. Dipsosaurus dorsalis (Baird & Girard),
Tortoquaquito (21728) to Coyote Wells (21950-
219,51).
2. Crotaphytus collaris (Say).
Mt. Verde, Mt. B. L.; Mountain Spring
3. Crotaphytus wislizenii Baird and
Girard. M. B. L.; Yuma Desert, m. 200;
Gardner's Laguna; New R.; Coyote W.;
Gila Riv., Gila Co., Ariz. p. 259
4. Callisaurus draconoides ventralis
Heller well. Yuma Desert, m. 200;
Seven Wells; Gardner's Laguna; Coyote
Wells; Mount. Sp. Page 273.
5. Uma rufopunctata Cope.
Yuma Desert; Gardner's Laguna.

- ✓1. Sibinia canaliculata Say.
Spider Crat.
2. Platynichus irroratus Say.
Spotted Crat; Sand Crat.
3. Catocinus m. m. m. (Linn.).
(= Gomphumulatus Say.)
4. Platynichus oscillatus (Herbst).
Lady Crat.
5. Luta diaethra (Linn.).
Lute Crat. This is
Callicinetes sapidus Rathbun.
6. Hippa talpoida Say.
Sand-bug.
7. Pagurus follicaris Say.
Warty Hermit Crat.
8. Homarus americanus (Seta).
American Lobster.
9. Polyphemus occidentalis Sam.
House-foot; King Crat. This
is Limulus polyphemus Latr.

4430. Lepus cuniculus - ad. A broken, weathered skull, picked up near the beach, February 25, 1899. Newport, R. I.
4431. Microtus pennsylvanicus. Skull found at Ft. Adams, Newport, R. I., May 18, 1899.
4441. Blarina brevicauda. In formalin. Found drowned in a brick sewer into which it had fallen, Nov. 19, 1899. Newport, R. I. (Golf grounds near Ft. Adams).
4442. Microtus pennsylvanicus juv. Ditto.
4472. Mus norvegicus. Ad. Ft. Adams, R. I., Nov. 26, 1899.
Skull only.
4501. Blarina brevicauda - ad. In formalin. Ft. Adams, R. I.
Dec. 16, 1899.
4535. Microtus pennsylvanicus. Several fragmentary skulls picked up beside a marsh, April 21, 1900.
4536. Blarina brevicauda Ditto.
4537. Fiber zibethicus. Ditto. Hood of Bubo virginianus.
4539. Mus ~~mus~~ ^{Skull one}
5239. Microtus pennsylvanicus. ♀ juv. Ft. Adams, R. I. July 15, 1900.



* Great-grandfather Carswell had 8 children: Alexander,
 + Great-grandfather Terry had 6 children: Reliance,